

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080323\
 Data File : VD076916.D
 Acq On : 03 Aug 2023 12:42
 Operator : KP/SY
 Sample : VSTDICV025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VICV163

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2023
 Supervised By :Semsettin Yesilyurt 08/04/2023

Quant Time: Aug 04 02:31:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 04 02:21:25 2023
 Response via : Initial Calibration

Supervised By :Semsettin
 Yesilyurt
 08/04/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	297533	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	297612	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	152017	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	166510	20.350	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.400%
7) Chloroethane-d5	2.799	69	162437	21.474	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.880%
11) 1,1-Dichloroethene-d2	3.916	65	42895	22.125	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.480%
21) 2-Butanone-d5	6.987	46	64688	49.242	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.480%
24) Chloroform-d	7.563	84	218781	22.581	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.320%
26) 1,2-Dichloroethane-d4	8.228	65	110195	22.816	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.280%
32) Benzene-d6	8.199	84	434328	23.212	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.840%
36) 1,2-Dichloropropane-d6	9.210	67	133568	23.217	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.880%
41) Toluene-d8	10.269	98	403754	23.535	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.120%
43) trans-1,3-Dichloroprop...	10.528	79	60049	23.087	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.360%
47) 2-Hexanone-d5	10.875	63	59247	53.912	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.820%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	131189	23.599	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	13.816	152	132149	23.778	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	120570	24.448	ug/L	100
3) Chloromethane	2.146	50	160906	25.149	ug/L	99
5) Vinyl chloride	2.281	62	222122	24.277	ug/L	93
6) Bromomethane	2.687	94	145907	21.364	ug/L	98
8) Chloroethane	2.834	64	148730	24.147	ug/L	98
9) Trichlorofluoromethane	3.169	101	188078	24.828	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	122382	24.793	ug/L	96
12) 1,1-Dichloroethene	3.940	96	109325	24.977	ug/L	83
13) Acetone	4.016	43	77661	57.812	ug/L	97
14) Carbon disulfide	4.263	76	388928	25.601	ug/L	100
15) Methyl Acetate	4.558	43	54573m	24.035	ug/L	
16) Methylene chloride	4.793	84	155545	24.922	ug/L	76
17) trans-1,2-Dichloroethene	5.305	96	122843	24.787	ug/L	89
18) Methyl tert-butyl Ether	5.316	73	270151	24.674	ug/L #	91
19) 1,1-Dichloroethane	6.110	63	198585	23.998	ug/L	96
20) cis-1,2-Dichloroethene	7.075	96	134742	24.355	ug/L	88
22) 2-Butanone	7.081	43	92083	48.994	ug/L	82
23) Bromochloromethane	7.428	128	62721	23.374	ug/L	81
25) Chloroform	7.593	83	214548	23.673	ug/L	99

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Reviewed By :Mahesh Dadoda 08/04/2023
 Supervised By :Semsettin Yesilyurt 08/04/2023

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 Yesilyurt
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Quant Time: Aug 04 02:31:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	131167	23.092	ug/L	97
29) Cyclohexane	7.869	56	167682	25.595	ug/L #	85
30) 1,1,1-Trichloroethane	7.787	97	175928	23.857	ug/L	97
31) Carbon tetrachloride	7.987	117	150743	24.977	ug/L	98
33) Benzene	8.246	78	480231	24.617	ug/L	100
34) Trichloroethene	9.028	95	118824	23.389	ug/L	97
35) Methylcyclohexane	9.275	83	204239	24.652	ug/L	91
37) 1,2-Dichloropropane	9.304	63	119513	24.117	ug/L	98
38) Bromodichloromethane	9.581	83	161701	23.695	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	196417	24.559	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	154556	49.500	ug/L #	89
42) Toluene	10.334	91	517466	24.394	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	171048	24.471	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	99560	22.606	ug/L	97
46) Tetrachloroethene	10.810	164	90291	23.582	ug/L	96
48) 2-Hexanone	10.922	43	133629	55.652	ug/L #	89
49) Dibromochloromethane	11.075	129	119578	24.405	ug/L	94
50) 1,2-Dibromoethane	11.181	107	101750	23.688	ug/L	90
51) Chlorobenzene	11.610	112	329084	23.811	ug/L	99
52) Ethylbenzene	11.681	91	553892	24.504	ug/L	97
53) m,p-Xylene	11.792	106	211798	24.284	ug/L	97
54) o-Xylene	12.122	106	208378	24.841	ug/L	97
55) Styrene	12.134	104	369006	24.329	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.675	83	125299	23.002	ug/L	99
59) Bromoform	12.298	173	72959	24.200	ug/L	98
60) Isopropylbenzene	12.422	105	498583	22.805	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	82820	23.343	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	421423	25.303	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	417760	25.204	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	235633	23.616	ug/L	96
65) 1,4-Dichlorobenzene	13.539	146	238804	23.154	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	219259	23.441	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	19049	23.432	ug/L	96
69) 1,3,5-Trichlorobenzene	14.592	180	147748	23.663	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	131145	23.877	ug/L	99
71) Naphthalene	15.333	128	328947	25.471	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	122095	24.512	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

Supervised By :Semsettin
Yesilyurt
08/04/2023

Abundance

TIC: VD076916.D\data.ms

08/04/2023

Time-->

1350000

1300000

1250000

1200000

1150000

1100000

1050000

1000000

950000

900000

850000

800000

750000

700000

650000

600000

550000

500000

450000

400000

350000

300000

250000

200000

150000

100000

50000

0

2.00

3.00

4.00

5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

Dichlorodifluoromethane, T

Chloromethane, T

Chloroethane, T

Bromomethane, T

Chloroethane, S

Trichlorofluoromethane, T

Acetone, T

Carbon disulfide, T

Methyl acetate, T

Methylene chloride, T

Methyl chloroacetate, T

1,1-Dichloroethane, T

1,1,1-Trichloroethane, T

Carbon tetrachloride, T

1,2-Dichloroethane, T

2-Butanone-d5, S

1,1-Dichloroethane, T

Bromochloromethane, T

1,1,1-Trichloroethane, T

Carbon tetrachloride, T

1,2-Dichloroethane, T

1,4-Difluorobenzene, T

Trichloroethene, T

1,2-Dichloropropane, T

Methylcyclohexane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

4-Methyl-2-pentanone, T

Toluene-d8, Toluene, T

trans-1,3-Dichloropropene, T

1,3-Dichloropropene, T

1,1,2-Trichloroethane, T

2-Hexanone, T

Dibromochloromethane, T

1,2-Dibromoethane, T

Chlorobenzene, T

m,p-Xylene, T

Ethylbenzene, T

Isopropylbenzene, T

1,3,5-Trimethylbenzene, T

1,2,4-Trimethylbenzene, T

1,3-Dichlorobenzene, T

1,2-Dichlorobenzene, T

1,2-Dichlorobenzene-d4, S

1,2-Dibromo-3-chloropropane, T

1,3,5-Trichlorobenzene, MA

1,2,4-trichlorobenzene, T

Naphthalene, MA

1,2,3-Trichlorobenzene, T