

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070523\
 Data File : VD076713.D
 Acq On : 05 Jul 2023 15:11
 Operator : KP/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025172

Quant Time: Jul 06 01:15:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:50:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/06/2023
 Supervised By : Mahesh Dadoda 07/07/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	218940	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	191850	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	94363	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	86287	16.183	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.720%
7) Chloroethane-d5	2.799	69	80032	18.564	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.240%
11) 1,1-Dichloroethene-d2	3.905	65	27271m	19.594	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.360%
21) 2-Butanone-d5	6.987	46	32192	39.867	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.740%
24) Chloroform-d	7.563	84	130757	22.669	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.680%
26) 1,2-Dichloroethane-d4	8.228	65	63969	22.480	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.920%
32) Benzene-d6	8.199	84	250127	21.313	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.240%
36) 1,2-Dichloropropane-d6	9.205	67	78149	20.862	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.440%
41) Toluene-d8	10.263	98	232498	21.396	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	10.522	79	32410	20.801	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.200%
47) 2-Hexanone-d5	10.875	63	23459	40.343	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.680%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	57942	21.741	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.960%
66) 1,2-Dichlorobenzene-d4	13.810	152	75339	21.782	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	80413	23.570	ug/L	100
3) Chloromethane	2.140	50	122150	21.538	ug/L	99
5) Vinyl chloride	2.281	62	128127	20.942	ug/L	98
6) Bromomethane	2.687	94	74822	22.079	ug/L	99
8) Chloroethane	2.834	64	83371	22.246	ug/L	93
9) Trichlorofluoromethane	3.170	101	119479	27.008	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	69340	24.165	ug/L	99
12) 1,1-Dichloroethene	3.928	96	66972	23.569	ug/L	93
13) Acetone	4.011	43	22922	35.145	ug/L	99
14) Carbon disulfide	4.264	76	222995	21.650	ug/L	97
15) Methyl Acetate	4.552	43	28086	18.864	ug/L #	85
16) Methylene chloride	4.799	84	76392	20.074	ug/L	86
17) trans-1,2-Dichloroethene	5.305	96	74332	23.464	ug/L	94
18) Methyl tert-butyl Ether	5.305	73	148309	20.564	ug/L #	57
19) 1,1-Dichloroethane	6.105	63	133624	23.072	ug/L	97
20) cis-1,2-Dichloroethene	7.069	96	80699	22.810	ug/L	92
22) 2-Butanone	7.075	43	36747	34.913	ug/L	98
23) Bromochloromethane	7.422	128	32947	21.942	ug/L	86
25) Chloroform	7.593	83	136643	24.175	ug/L	94

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27) 1,2-Dichloroethane	8.322	62	82280	23.671	ug/L	98
29) Cyclohexane	7.875	56	109138	21.393	ug/L	98
30) 1,1,1-Trichloroethane	7.787	97	119048	26.711	ug/L	98
31) Carbon tetrachloride	7.987	117	101864	28.578	ug/L	97
33) Benzene	8.246	78	299807	23.612	ug/L	100
34) Trichloroethene	9.028	95	81551	25.002	ug/L	96
35) Methylcyclohexane	9.269	83	121311	23.064	ug/L	96
37) 1,2-Dichloropropane	9.305	63	77041	22.255	ug/L #	97
38) Bromodichloromethane	9.581	83	99200	25.125	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	121684	23.020	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	85284	39.602	ug/L	97
42) Toluene	10.334	91	328869	24.237	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	100488	23.388	ug/L	95
45) 1,1,2-Trichloroethane	10.728	97	53078	22.354	ug/L	99
46) Tetrachloroethene	10.810	164	63241	24.663	ug/L	97
48) 2-Hexanone	10.916	43	61133	41.449	ug/L	95
49) Dibromochloromethane	11.075	129	65182	24.156	ug/L	94
50) 1,2-Dibromoethane	11.175	107	51786	22.471	ug/L #	87
51) Chlorobenzene	11.604	112	202837	23.944	ug/L	97
52) Ethylbenzene	11.681	91	363542	24.857	ug/L	99
53) m,p-Xylene	11.793	106	135536	23.582	ug/L	95
54) o-Xylene	12.116	106	133109	24.323	ug/L	100
55) Styrene	12.134	104	224181	23.711	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	60429	22.269	ug/L	95
59) Bromoform	12.298	173	40602	24.035	ug/L #	94
60) Isopropylbenzene	12.422	105	355779	24.650	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	40845	22.304	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	282275	24.444	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	273254	23.980	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	153117	23.846	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	153496	23.715	ug/L	99
67) 1,2-Dichlorobenzene	13.828	146	132893	23.232	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.451	75	8199	20.090	ug/L	95
69) 1,3,5-Trichlorobenzene	14.592	180	102578	23.950	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	85265	22.375	ug/L	99
71) Naphthalene	15.334	128	150514	20.629	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	73883	22.326	ug/L	96

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

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