

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080323\
 Data File : VD076919.D
 Acq On : 03 Aug 2023 15:18
 Operator : KP/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025174

Quant Time: Aug 04 02:31:51 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2023
 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	274259	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	273507	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	144074	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	156156	20.704	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.800%
7) Chloroethane-d5	2.799	69	151066	21.666	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.680%
11) 1,1-Dichloroethene-d2	3.910	65	37997	21.261	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.040%
21) 2-Butanone-d5	6.987	46	62744	51.815	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.640%
24) Chloroform-d	7.569	84	205198	22.977	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.920%
26) 1,2-Dichloroethane-d4	8.228	65	103051	23.147	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	8.198	84	405165	23.561	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.240%
36) 1,2-Dichloropropane-d6	9.210	67	125185	23.677	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.720%
41) Toluene-d8	10.269	98	377882	23.968	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.880%
43) trans-1,3-Dichloroprop...	10.522	79	55329	23.147	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.600%
47) 2-Hexanone-d5	10.875	63	54667	54.129	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.260%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	126177	24.697	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	13.816	152	124581	23.652	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	95593	21.029	ug/L	100
3) Chloromethane	2.146	50	141658	24.020	ug/L	97
5) Vinyl chloride	2.281	62	194819	23.100	ug/L	96
6) Bromomethane	2.687	94	142306	22.605	ug/L	99
8) Chloroethane	2.828	64	136545	24.050	ug/L	97
9) Trichlorofluoromethane	3.169	101	154284	22.095	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.957	101	102507	22.529	ug/L	97
12) 1,1-Dichloroethene	3.934	96	93264	23.116	ug/L	88
13) Acetone	4.016	43	82359	66.512	ug/L	97
14) Carbon disulfide	4.263	76	332404	23.737	ug/L	99
15) Methyl Acetate	4.563	43	52947m	25.298	ug/L	
16) Methylene chloride	4.793	84	138626	24.096	ug/L	78
17) trans-1,2-Dichloroethene	5.310	96	107950	23.630	ug/L	86
18) Methyl tert-butyl Ether	5.316	73	243964	24.173	ug/L #	92
19) 1,1-Dichloroethane	6.104	63	182393	23.912	ug/L	93
20) cis-1,2-Dichloroethene	7.081	96	121468	23.819	ug/L	89
22) 2-Butanone	7.081	43	97067	56.028	ug/L	88
23) Bromochloromethane	7.428	128	59232	23.947	ug/L #	80
25) Chloroform	7.598	83	200315	23.978	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	124947	23.864	ug/L	97
29) Cyclohexane	7.875	56	141311	23.471	ug/L #	81
30) 1,1,1-Trichloroethane	7.792	97	161270	23.797	ug/L	97
31) Carbon tetrachloride	7.992	117	134057	24.170	ug/L	99
33) Benzene	8.251	78	439718	24.527	ug/L	100
34) Trichloroethene	9.028	95	109551	23.465	ug/L	96
35) Methylcyclohexane	9.275	83	181382	23.823	ug/L	91
37) 1,2-Dichloropropane	9.304	63	112253	24.648	ug/L #	96
38) Bromodichloromethane	9.581	83	155696	24.826	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	185690	25.264	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	150718	52.525	ug/L #	90
42) Toluene	10.334	91	488869	25.077	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	161875	25.200	ug/L	98
45) 1,1,2-Trichloroethane	10.733	97	101132	24.986	ug/L	98
46) Tetrachloroethene	10.810	164	83022	23.594	ug/L	97
48) 2-Hexanone	10.922	43	133162	60.345	ug/L #	92
49) Dibromochloromethane	11.075	129	110284	24.492	ug/L	100
50) 1,2-Dibromoethane	11.181	107	100786	25.532	ug/L	86
51) Chlorobenzene	11.610	112	305729	24.071	ug/L	97
52) Ethylbenzene	11.681	91	517658	24.919	ug/L	97
53) m,p-Xylene	11.792	106	197934	24.694	ug/L	99
54) o-Xylene	12.122	106	193387	25.085	ug/L	98
55) Styrene	12.133	104	353518	25.363	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	124652	24.900	ug/L	99
59) Bromoform	12.298	173	69237	24.232	ug/L #	99
60) Isopropylbenzene	12.422	105	501678	24.212	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	81732	24.306	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	389788	24.694	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	391386	24.915	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	224664	23.758	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	231479	23.681	ug/L	98
67) 1,2-Dichlorobenzene	13.833	146	210344	23.727	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	17451	22.650	ug/L	89
69) 1,3,5-Trichlorobenzene	14.592	180	140796	23.792	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	121853	23.408	ug/L	98
71) Naphthalene	15.333	128	298103	24.355	ug/L	99
72) 1,2,3-Trichlorobenzene	15.527	180	114689	24.294	ug/L	99

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

