

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
 Data File : VD079080.D
 Acq On : 29 May 2024 22:31
 Operator : RP/MD
 Sample : P2640-05MS
 Misc : 5.59G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A4C15MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/31/2024
 Supervised By :Semsettin Yesilyurt 05/31/2024

Quant Time: May 30 01:16:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 30 01:09:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	49343	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	49040	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	16765	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	32901	21.668	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	86.680%		
7) Chloroethane-d5	2.799	69	33874	23.072	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	92.280%		
11) 1,1-Dichloroethene-d2	3.917	65	5009m	18.582	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	74.320%		
21) 2-Butanone-d5	6.987	46	5279	45.454	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	90.900%		
24) Chloroform-d	7.569	84	33290	24.129	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	96.520%		
26) 1,2-Dichloroethane-d4	8.234	65	18024	28.320	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	113.280%		
32) Benzene-d6	8.199	84	59176	21.767	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	87.080%		
36) 1,2-Dichloropropane-d6	9.210	67	19412	24.788	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	99.160%		
41) Toluene-d8	10.263	98	46280	18.181	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	72.720%		
43) trans-1,3-Dichloroprop...	10.522	79	7493	22.764	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	91.040%		
47) 2-Hexanone-d5	10.875	63	4298	42.454	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	84.900%		
56) 1,1,2,2-Tetrachloroeth...	12.645	84	18901	27.249	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	109.000%		
66) 1,2-Dichlorobenzene-d4	13.810	152	9954	17.204	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	68.800%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	16305	20.875	ug/L	99
3) Chloromethane	2.146	50	28849	27.711	ug/L	99
5) Vinyl chloride	2.281	62	42349	24.646	ug/L	94
6) Bromomethane	2.687	94	29561	22.284	ug/L	99
8) Chloroethane	2.834	64	35071	27.847	ug/L	95
9) Trichlorofluoromethane	3.169	101	26219	20.030	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	15022	19.138	ug/L	100
12) 1,1-Dichloroethene	3.934	96	13969	20.442	ug/L	93
13) Acetone	4.022	43	6350	37.766	ug/L	62
14) Carbon disulfide	4.269	76	48531	20.358	ug/L	98
15) Methyl Acetate	4.569	43	7554m	32.974	ug/L	
16) Methylene chloride	4.799	84	25795	29.339	ug/L	95
17) trans-1,2-Dichloroethene	5.316	96	17953	24.310	ug/L	92
18) Methyl tert-butyl Ether	5.316	73	43120	32.922	ug/L #	93
19) 1,1-Dichloroethane	6.111	63	31580	26.560	ug/L #	95
20) cis-1,2-Dichloroethene	7.075	96	21089	27.425	ug/L	91
22) 2-Butanone	7.087	43	9467	53.597	ug/L	90
23) Bromochloromethane	7.422	128	12357	31.696	ug/L #	94
25) Chloroform	7.593	83	40175	29.761	ug/L	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	26949	34.390	ug/L	98
29) Cyclohexane	7.875	56	11456	12.947	ug/L	95
30) 1,1,1-Trichloroethane	7.799	97	26771	23.058	ug/L	96
31) Carbon tetrachloride	7.987	117	22373	20.736	ug/L	97
33) Benzene	8.246	78	73745	25.248	ug/L	100
34) Trichloroethene	9.028	95	16440	21.853	ug/L	95
35) Methylcyclohexane	9.269	83	12288	9.858	ug/L #	79
37) 1,2-Dichloropropane	9.299	63	19812	27.692	ug/L	98
38) Bromodichloromethane	9.581	83	29645	29.807	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	23356	20.913	ug/L	93
40) 4-Methyl-2-pentanone	10.157	43	18147	60.763	ug/L	98
42) Toluene	10.334	91	71441	22.027	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	24849	26.312	ug/L	93
45) 1,1,2-Trichloroethane	10.728	97	21064	33.560	ug/L	97
46) Tetrachloroethene	10.804	164	11662	17.606	ug/L	97
48) 2-Hexanone	10.916	43	10404	40.258	ug/L	93
49) Dibromochloromethane	11.069	129	22372	30.100	ug/L	96
50) 1,2-Dibromoethane	11.175	107	19976	34.631	ug/L	97
51) Chlorobenzene	11.604	112	42512	19.700	ug/L	96
52) Ethylbenzene	11.681	91	56768	16.780	ug/L	98
53) m,p-Xylene	11.793	106	22180	16.710	ug/L	100
54) o-Xylene	12.122	106	21914	17.088	ug/L	91
55) Styrene	12.134	104	38719	17.028	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.669	83	24060	34.245	ug/L	89
59) Bromoform	12.298	173	14716	47.893	ug/L #	97
60) Isopropylbenzene	12.422	105	46328	20.899	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	15670	52.941	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	27780	18.328	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	30402	18.754	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	22443	21.074	ug/L	92
65) 1,4-Dichlorobenzene	13.534	146	24086	21.346	ug/L	85
67) 1,2-Dichlorobenzene	13.828	146	21590	21.931	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.439	75	2968	48.779	ug/L	87
69) 1,3,5-Trichlorobenzene	14.587	180	8940m	13.310	ug/L	
70) 1,2,4-trichlorobenzene	15.098	180	6518	11.685	ug/L	92
71) Naphthalene	15.334	128	21046	20.174	ug/L	98
72) 1,2,3-Trichlorobenzene	15.516	180	6283	13.032	ug/L	97

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

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