

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
 Data File : VD078301.D
 Acq On : 01 Feb 2024 11:21
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025234

Quant Time: Feb 02 00:35:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 01 04:27:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	210622	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	199936	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	94607	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	159364	26.669	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 106.680%	
7) Chloroethane-d5	2.805	69	130384	25.957	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 103.840%	
11) 1,1-Dichloroethene-d2	3.916	65	34497	26.737	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 106.960%	
21) 2-Butanone-d5	6.993	46	39771	45.204	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 90.400%	
24) Chloroform-d	7.569	84	154619	25.747	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 103.000%	
26) 1,2-Dichloroethane-d4	8.234	65	81308	25.089	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 100.360%	
32) Benzene-d6	8.204	84	327777	28.037	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 112.160%	
36) 1,2-Dichloropropane-d6	9.210	67	96812	26.899	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 107.600%	
41) Toluene-d8	10.269	98	298210	28.399	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 113.600%	
43) trans-1,3-Dichloroprop...	10.528	79	43508	27.073	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 108.280%	
47) 2-Hexanone-d5	10.881	63	36095	49.430	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 98.860%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	83566	24.987	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 99.960%	
66) 1,2-Dichlorobenzene-d4	13.816	152	88008	25.984	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 103.920%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	102736	24.738	ug/L	96
3) Chloromethane	2.152	50	143016	23.679	ug/L	99
5) Vinyl chloride	2.287	62	181592	24.317	ug/L	96
6) Bromomethane	2.699	94	86792	25.636	ug/L	99
8) Chloroethane	2.840	64	112236	23.606	ug/L	97
9) Trichlorofluoromethane	3.175	101	134718	25.377	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	82074	24.845	ug/L	98
12) 1,1-Dichloroethene	3.946	96	75839	24.806	ug/L	91
13) Acetone	4.028	43	60295	52.195	ug/L	96
14) Carbon disulfide	4.275	76	280464	24.889	ug/L	99
15) Methyl Acetate	4.569	43	37615	21.732	ug/L #	81
16) Methylene chloride	4.799	84	93815	22.712	ug/L	92
17) trans-1,2-Dichloroethene	5.316	96	83432	24.765	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	177925	22.708	ug/L #	93
19) 1,1-Dichloroethane	6.110	63	148286	25.154	ug/L	99
20) cis-1,2-Dichloroethene	7.087	96	89701	24.295	ug/L	97
22) 2-Butanone	7.087	43	67853	48.512	ug/L	98
23) Bromochloromethane	7.428	128	40538	24.856	ug/L	93
25) Chloroform	7.599	83	157580	24.496	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	96768	23.423	ug/L	96
29) Cyclohexane	7.881	56	123492	27.323	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	124142	25.330	ug/L	97
31) Carbon tetrachloride	7.993	117	112086	25.961	ug/L	97
33) Benzene	8.252	78	351286	26.074	ug/L	100
34) Trichloroethene	9.028	95	84554	24.849	ug/L	93
35) Methylcyclohexane	9.275	83	143394	26.931	ug/L	97
37) 1,2-Dichloropropane	9.304	63	90964	25.623	ug/L	100
38) Bromodichloromethane	9.587	83	116376	25.125	ug/L #	97
39) cis-1,3-Dichloropropene	10.016	75	140557	25.436	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	105511	47.855	ug/L	99
42) Toluene	10.334	91	369443	26.356	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	121482	25.127	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	69680	24.624	ug/L	96
46) Tetrachloroethene	10.810	164	61165	26.178	ug/L	94
48) 2-Hexanone	10.922	43	95944	53.349	ug/L	96
49) Dibromochloromethane	11.075	129	76401	24.023	ug/L	97
50) 1,2-Dibromoethane	11.181	107	66793	24.198	ug/L #	96
51) Chlorobenzene	11.604	112	227533	25.070	ug/L	94
52) Ethylbenzene	11.681	91	399410	26.526	ug/L	95
53) m,p-Xylene	11.793	106	147613	25.508	ug/L	100
54) o-Xylene	12.122	106	144594	25.911	ug/L	100
55) Styrene	12.134	104	265085	26.334	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	85390	23.552	ug/L	99
59) Bromoform	12.298	173	44889	23.648	ug/L	96
60) Isopropylbenzene	12.422	105	377249	26.390	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	56911	23.583	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	291894	26.104	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	293406	26.492	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	164263	25.750	ug/L	90
65) 1,4-Dichlorobenzene	13.539	146	166431	24.921	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	150323	24.912	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	12556	23.483	ug/L	95
69) 1,3,5-Trichlorobenzene	14.592	180	100290	25.518	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	81953	24.125	ug/L	99
71) Naphthalene	15.333	128	189476	23.825	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	77379	24.401	ug/L	99

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

