

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041124\
 Data File : VD078808.D
 Acq On : 11 Apr 2024 11:43
 Operator : RP/MD
 Sample : VSTD00522
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005122

Quant Time: Apr 12 06:44:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM041124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 12 06:43:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/12/2024
 Supervised By :Semsettin Yesilyurt 04/12/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	215918	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	211992	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	101737	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	32457	5.457	ug/L	0.00
7) Chloroethane-d5	2.805	69	28437	5.076	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	65	5276	4.830	ug/L	0.00
21) 2-Butanone-d5	6.981	46	4632m	8.237	ug/L	0.00
24) Chloroform-d	7.569	84	21983	4.170	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	11641	4.347	ug/L	0.00
32) Benzene-d6	8.205	84	45782	4.238	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	13916	4.477	ug/L	0.00
41) Toluene-d8	10.269	98	39518	3.879	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	5833	4.112	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	3631	7.231	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	12359	4.216	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	13991	4.032	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	17757	5.715	ug/L	98
3) Chloromethane	2.146	50	25363	5.697	ug/L	96
5) Vinyl chloride	2.281	62	36421	5.441	ug/L	99
6) Bromomethane	2.693	94	25484	5.238	ug/L	95
8) Chloroethane	2.840	64	28276	5.789	ug/L	89
9) Trichlorofluoromethane	3.181	101	27852	5.688	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	17946m	5.668	ug/L	
12) 1,1-Dichloroethene	3.946	96	14647	5.189	ug/L	86
13) Acetone	4.022	43	5971	8.187	ug/L	63
14) Carbon disulfide	4.275	76	52421	5.454	ug/L	97
15) Methyl Acetate	4.564	43	5412	5.011	ug/L #	52
16) Methylene chloride	4.805	84	22684	6.063	ug/L	98
17) trans-1,2-Dichloroethene	5.311	96	16576	5.252	ug/L	99
18) Methyl tert-butyl Ether	5.322	73	28694	4.753	ug/L #	83
19) 1,1-Dichloroethane	6.116	63	28050	5.579	ug/L #	88
20) cis-1,2-Dichloroethene	7.081	96	17281	5.037	ug/L	94
22) 2-Butanone	7.093	43	7252m	8.110	ug/L	
23) Bromochloromethane	7.428	128	8801	5.199	ug/L	91
25) Chloroform	7.599	83	32352	5.460	ug/L	92
27) 1,2-Dichloroethane	8.328	62	17458	5.243	ug/L	99
29) Cyclohexane	7.881	56	17852	4.957	ug/L	98
30) 1,1,1-Trichloroethane	7.799	97	26782	5.617	ug/L	99
31) Carbon tetrachloride	7.993	117	23527m	5.504	ug/L	
33) Benzene	8.257	78	61885	5.148	ug/L	100
34) Trichloroethene	9.028	95	16772	5.231	ug/L	95
35) Methylcyclohexane	9.281	83	23702	4.976	ug/L	97
37) 1,2-Dichloropropane	9.304	63	16809	5.454	ug/L	98
38) Bromodichloromethane	9.587	83	23657	5.579	ug/L	90
39) cis-1,3-Dichloropropene	10.016	75	23849	5.038	ug/L	97
40) 4-Methyl-2-pentanone	10.163	43	12640	8.979	ug/L	97
42) Toluene	10.334	91	65918	4.954	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	20860	5.028	ug/L	91

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

45) 1,1,2-Trichloroethane	10.734	97	13804	5.129	ug/L	95
46) Tetrachloroethene	10.816	164	14310	5.329	ug/L	86
48) 2-Hexanone	10.928	43	9263	8.360	ug/L	98
49) Dibromochloromethane	11.069	129	16330	5.240	ug/L	99
50) 1,2-Dibromoethane	11.175	107	14010	5.357	ug/L #	95
51) Chlorobenzene	11.604	112	48006	5.349	ug/L	95
52) Ethylbenzene	11.681	91	67520	4.826	ug/L	100
53) m,p-Xylene	11.793	106	26036	4.724	ug/L	99
54) o-Xylene	12.122	106	24661	4.629	ug/L	87
55) Styrene	12.134	104	44370	4.647	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	16210	5.217	ug/L	100
59) Bromoform	12.298	173	10676	5.353	ug/L #	93
60) Isopropylbenzene	12.422	105	64353	4.999	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	9718	5.175	ug/L	91
62) 1,3,5-Trimethylbenzene	12.904	105	35871	4.596	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	44271	4.622	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	33925	5.294	ug/L	95
65) 1,4-Dichlorobenzene	13.534	146	36413	5.374	ug/L	87
67) 1,2-Dichlorobenzene	13.828	146	30813	5.105	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.445	75	2415	5.649	ug/L #	63
69) 1,3,5-Trichlorobenzene	14.592	180	21543	5.228	ug/L	95
70) 1,2,4-trichlorobenzene	15.098	180	16494	4.746	ug/L	97
71) Naphthalene	15.328	128	29688	4.402	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	16018	5.034	ug/L	95

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

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