

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051123\
 Data File : VD076074.D
 Acq On : 11 May 2023 12:03
 Operator : KP/SY
 Sample : VSTD05049
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050149

Quant Time: May 12 01:49:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 12 01:47:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/12/2023
 Supervised By : Mahesh Dadoda 05/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	432948	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	385491	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	197127	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	258844	39.081	ug/L	0.00
7) Chloroethane-d5	2.799	69	240037	39.476	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.911	65	69288	41.556	ug/L	0.00
21) 2-Butanone-d5	6.987	46	88140	97.759	ug/L	0.00
24) Chloroform-d	7.563	84	380885	41.992	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	166695	41.794	ug/L	0.00
32) Benzene-d6	8.199	84	760777	43.775	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	227869	42.551	ug/L	0.00
41) Toluene-d8	10.269	98	694138	44.818	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	88860	44.204	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	83178	106.065	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	204557	44.357	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	242142	43.000	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	277271	51.205	ug/L	100
3) Chloromethane	2.146	50	366354	47.593	ug/L	99
5) Vinyl chloride	2.281	62	480857	48.932	ug/L	100
6) Bromomethane	2.687	94	295436	48.463	ug/L	100
8) Chloroethane	2.834	64	303409	48.117	ug/L	100
9) Trichlorofluoromethane	3.170	101	400005	49.720	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	286482	49.988	ug/L	98
12) 1,1-Dichloroethene	3.940	96	261206m	50.853	ug/L	
13) Acetone	4.022	43	76032	95.356	ug/L	100
14) Carbon disulfide	4.269	76	792983	49.580	ug/L	100
15) Methyl Acetate	4.564	43	80425	46.751	ug/L #	59
16) Methylene chloride	4.805	84	295503	41.975	ug/L	97
17) trans-1,2-Dichloroethene	5.311	96	277973	50.544	ug/L	91
18) Methyl tert-butyl Ether	5.316	73	515162	52.785	ug/L	98
19) 1,1-Dichloroethane	6.111	63	450358	48.044	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	308383	50.579	ug/L	96
22) 2-Butanone	7.081	43	114875	103.177	ug/L	92
23) Bromochloromethane	7.428	128	145141	48.700	ug/L	93
25) Chloroform	7.593	83	477268	47.684	ug/L	98
27) 1,2-Dichloroethane	8.328	62	253284	48.021	ug/L	98
29) Cyclohexane	7.875	56	374408	58.552	ug/L	90
30) 1,1,1-Trichloroethane	7.793	97	386870	49.403	ug/L	99
31) Carbon tetrachloride	7.993	117	323727	52.476	ug/L	97
33) Benzene	8.252	78	1105817	51.597	ug/L	100
34) Trichloroethene	9.028	95	272301	49.224	ug/L	94
35) Methylcyclohexane	9.275	83	477836	57.012	ug/L	97
37) 1,2-Dichloropropane	9.305	63	272533	49.856	ug/L	100
38) Bromodichloromethane	9.587	83	347102	49.559	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	418946	53.207	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	243483	110.507	ug/L	98
42) Toluene	10.334	91	1211278	52.942	ug/L	99
44) trans-1,3-Dichloropropene	10.552	75	344024	52.362	ug/L	98

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45) 1,1,2-Trichloroethane	10.734	97	213725	48.421	ug/L	94
46) Tetrachloroethene	10.810	164	233592	50.544	ug/L	95
48) 2-Hexanone	10.922	43	180059	112.615	ug/L	93
49) Dibromochloromethane	11.075	129	236642	49.691	ug/L	98
50) 1,2-Dibromoethane	11.181	107	190789	48.943	ug/L	99
51) Chlorobenzene	11.610	112	753751	48.404	ug/L	98
52) Ethylbenzene	11.687	91	1250215	52.672	ug/L	99
53) m,p-Xylene	11.793	106	501464	54.178	ug/L	98
54) o-Xylene	12.122	106	478792	54.544	ug/L	96
55) Styrene	12.134	104	849106	54.599	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.675	83	239158	48.399	ug/L	98
59) Bromoform	12.298	173	138566	48.372	ug/L	99
60) Isopropylbenzene	12.422	105	1258219	56.215	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	151591	47.809	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	970624	56.523	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	922714	56.184	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	574679	49.453	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	580514	48.020	ug/L	100
67) 1,2-Dichlorobenzene	13.834	146	513035	48.402	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	29917	47.033	ug/L	98
69) 1,3,5-Trichlorobenzene	14.592	180	377225	51.087	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	311784	53.352	ug/L	99
71) Naphthalene	15.334	128	627669	57.156	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	294827	55.479	ug/L	97

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

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