

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076846.D
 Acq On : 28 Jul 2023 10:36
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 22:59:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	179314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	323062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	293164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	140545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85327	47.775	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.540%		
35) Dibromofluoromethane	7.799	113	101892	50.189	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.380%		
50) Toluene-d8	10.269	98	335588	46.208	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.420%		
62) 4-Bromofluorobenzene	12.569	95	113183	48.174	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	68560	48.894	ug/l	98
3) Chloromethane	2.146	50	115910	47.919	ug/l	97
4) Vinyl Chloride	2.276	62	165339	51.277	ug/l	98
5) Bromomethane	2.681	94	130679	49.258	ug/l	99
6) Chloroethane	2.828	64	127791	52.492	ug/l	96
7) Trichlorofluoromethane	3.164	101	156129	54.417	ug/l	99
8) Diethyl Ether	3.587	74	51993	52.634	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.952	101	104217	55.259	ug/l	97
10) Methyl Iodide	4.152	142	113273	53.280	ug/l	92
11) Tert butyl alcohol	5.064	59	34725	260.551	ug/l	98
12) 1,1-Dichloroethene	3.928	96	93324	52.669	ug/l	92
13) Acrolein	3.793	56	24301	267.566	ug/l	97
14) Allyl chloride	4.552	41	125741	54.020	ug/l	91
15) Acrylonitrile	5.252	53	128687	265.241	ug/l	99
16) Acetone	4.017	43	113231	265.464	ug/l	92
17) Carbon Disulfide	4.258	76	198273	47.910	ug/l	97
18) Methyl Acetate	4.558	43	88580	55.274	ug/l	91
19) Methyl tert-butyl Ether	5.311	73	263676	55.491	ug/l	98
20) Methylene Chloride	4.793	84	143557	58.213	ug/l	92
21) trans-1,2-Dichloroethene	5.299	96	110576	53.687	ug/l	94
22) Diisopropyl ether	6.205	45	312771	56.745	ug/l	97
23) Vinyl Acetate	6.146	43	745055	273.194	ug/l	95
24) 1,1-Dichloroethane	6.105	63	212149	57.086	ug/l	97
25) 2-Butanone	7.081	43	155714	272.771	ug/l #	86
26) 2,2-Dichloropropane	7.069	77	185100	57.780	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	141570	55.757	ug/l	95
28) Bromochloromethane	7.422	49	44603	48.006	ug/l	89
29) Tetrahydrofuran	7.440	42	91797	272.164	ug/l	92
30) Chloroform	7.593	83	236942	58.211	ug/l	95
31) Cyclohexane	7.869	56	131115	49.883	ug/l	96
32) 1,1,1-Trichloroethane	7.787	97	194813	59.321	ug/l	96
36) 1,1-Dichloropropene	8.005	75	148811	56.095	ug/l	97
37) Ethyl Acetate	7.163	43	66010	55.640	ug/l	95
38) Carbon Tetrachloride	7.981	117	154351	60.765	ug/l	92
39) Methylcyclohexane	9.269	83	165332	53.975	ug/l	95
40) Benzene	8.246	78	466913	55.782	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	39504	54.528	ug/l #	88
42) 1,2-Dichloroethane	8.322	62	123240	56.665	ug/l	99
43) Isopropyl Acetate	8.358	43	128632	55.556	ug/l	93
44) Trichloroethene	9.022	130	124572	54.614	ug/l	87
45) 1,2-Dichloropropane	9.299	63	126408	58.504	ug/l	100
46) Dibromomethane	9.393	93	71941	56.882	ug/l	91
47) Bromodichloromethane	9.581	83	182961	57.647	ug/l	97
48) Methyl methacrylate	9.381	41	55859	53.008	ug/l	85
49) 1,4-Dioxane	9.387	88	16219	1000.926	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	346041	280.704	ug/l	93
52) Toluene	10.334	92	304266	55.346	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	170362	57.830	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	195717	56.372	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	105772	57.272	ug/l	96
56) Ethyl methacrylate	10.599	69	122638	57.533	ug/l #	92
57) 1,3-Dichloropropane	10.881	76	170503	56.690	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	192351	233.123	ug/l	96
59) 2-Hexanone	10.922	43	242057	275.182	ug/l	94
60) Dibromochloromethane	11.075	129	125690	58.584	ug/l	96
61) 1,2-Dibromoethane	11.181	107	96197	56.182	ug/l	98
64) Tetrachloroethene	10.804	164	97225	58.160	ug/l	94
65) Chlorobenzene	11.604	112	337886	57.306	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	131629	59.963	ug/l	96
67) Ethyl Benzene	11.681	91	597999	57.751	ug/l	100
68) m/p-Xylenes	11.793	106	469050	117.945	ug/l	93
69) o-Xylene	12.122	106	222244	57.790	ug/l	90
70) Styrene	12.134	104	398692	59.223	ug/l	98
71) Bromoform	12.299	173	72448	60.260	ug/l #	99
73) Isopropylbenzene	12.422	105	590896	57.949	ug/l	96
74) N-amyl acetate	12.234	43	119887	55.809	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.669	83	121455	55.476	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	74073m	55.420	ug/l	
77) Bromobenzene	12.698	156	134509	57.149	ug/l	88
78) n-propylbenzene	12.763	91	723253	58.507	ug/l	96
79) 2-Chlorotoluene	12.851	91	389761	57.503	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	477574	57.922	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	37348	59.470	ug/l	96
82) 4-Chlorotoluene	12.946	91	403996	57.054	ug/l	95
83) tert-Butylbenzene	13.163	119	436561	60.135	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	484780	57.536	ug/l	97
85) sec-Butylbenzene	13.345	105	655323	59.083	ug/l	95
86) p-Isopropyltoluene	13.457	119	540239	58.977	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	277815	57.387	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	277887	58.588	ug/l	98
89) n-Butylbenzene	13.787	91	520055	58.019	ug/l	98
90) Hexachloroethane	14.051	117	107438	63.441	ug/l	86
91) 1,2-Dichlorobenzene	13.828	146	245417	57.531	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	16696	53.485	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	152604	58.597	ug/l	97
94) Hexachlorobutadiene	15.204	225	71185	56.834	ug/l	99
95) Naphthalene	15.328	128	326186	57.845	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	133630	57.179	ug/l	97

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

