

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041923\
 Data File : VD075756.D
 Acq On : 19 Apr 2023 18:42
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023

Quant Time: Apr 20 06:01:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	197099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	333962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	353509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	158392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	90734	48.499	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.000%		
35) Dibromofluoromethane	7.804	113	114773	51.096	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.200%		
50) Toluene-d8	10.269	98	450485	50.081	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.160%		
62) 4-Bromofluorobenzene	12.575	95	125703	52.576	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	86258	47.100	ug/l	94
3) Chloromethane	2.146	50	150109	45.393	ug/l	99
4) Vinyl Chloride	2.281	62	186216	42.436	ug/l	98
5) Bromomethane	2.687	94	143123	41.773	ug/l	97
6) Chloroethane	2.834	64	130756	44.257	ug/l	97
7) Trichlorofluoromethane	3.175	101	159104	46.794	ug/l	100
8) Diethyl Ether	3.593	74	51419	48.590	ug/l	67
9) 1,1,2-Trichlorotrifluo...	3.963	101	104015	48.785	ug/l	94
10) Methyl Iodide	4.163	142	148179	50.781	ug/l	91
11) Tert butyl alcohol	5.058	59	19400	206.620	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	109162	49.447	ug/l	85
13) Acrolein	3.799	56	43924	231.924	ug/l	96
14) Allyl chloride	4.563	41	99944	49.710	ug/l #	79
15) Acrylonitrile	5.258	53	100856	255.171	ug/l	98
16) Acetone	4.022	43	79696	232.526	ug/l #	78
17) Carbon Disulfide	4.269	76	325395	45.042	ug/l	96
18) Methyl Acetate	4.563	43	59077	51.114	ug/l #	71
19) Methyl tert-butyl Ether	5.316	73	217356	50.732	ug/l	100
20) Methylene Chloride	4.805	84	133028	50.195	ug/l #	72
21) trans-1,2-Dichloroethene	5.316	96	129955	49.427	ug/l #	72
22) Diisopropyl ether	6.216	45	244158	53.742	ug/l #	87
23) Vinyl Acetate	6.157	43	565667	268.063	ug/l #	82
24) 1,1-Dichloroethane	6.110	63	191913	50.979	ug/l #	96
25) 2-Butanone	7.081	43	104964	237.855	ug/l #	71
26) 2,2-Dichloropropane	7.075	77	157945	46.278	ug/l	91
27) cis-1,2-Dichloroethene	7.081	96	146529	50.310	ug/l	79
28) Bromochloromethane	7.428	49	61841	51.967	ug/l #	50
29) Tetrahydrofuran	7.440	42	62253	257.962	ug/l #	52
30) Chloroform	7.593	83	215387	50.469	ug/l	97
31) Cyclohexane	7.881	56	138310	47.112	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	171340	49.237	ug/l	95
36) 1,1-Dichloropropene	8.010	75	154143	49.742	ug/l	93
37) Ethyl Acetate	7.169	43	46690	49.509	ug/l #	77
38) Carbon Tetrachloride	7.993	117	138514	50.759	ug/l	95
39) Methylcyclohexane	9.275	83	183550	51.223	ug/l	88
40) Benzene	8.251	78	493641	51.243	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	23429	51.771	ug/l #	65
42) 1,2-Dichloroethane	8.328	62	112099	51.231	ug/l	89
43) Isopropyl Acetate	8.363	43	86887	50.525	ug/l #	78
44) Trichloroethene	9.028	130	135461	49.685	ug/l	95
45) 1,2-Dichloropropane	9.304	63	113588	52.616	ug/l #	85
46) Dibromomethane	9.393	93	67987	49.642	ug/l	96
47) Bromodichloromethane	9.587	83	162790	51.964	ug/l	95
48) Methyl methacrylate	9.381	41	40258	52.545	ug/l #	58
49) 1,4-Dioxane	9.387	88	12940	952.327	ug/l #	73
51) 4-Methyl-2-Pentanone	10.157	43	232208	253.257	ug/l #	79
52) Toluene	10.334	92	323725	50.537	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	148908	49.585	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	182086	51.031	ug/l #	74
55) 1,1,2-Trichloroethane	10.734	97	98719	49.784	ug/l	95
56) Ethyl methacrylate	10.598	69	99470	50.971	ug/l #	65
57) 1,3-Dichloropropane	10.881	76	151730	50.401	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	229026	273.270	ug/l #	87
59) 2-Hexanone	10.922	43	162940	252.745	ug/l	73
60) Dibromochloromethane	11.075	129	113742	49.019	ug/l	99
61) 1,2-Dibromoethane	11.181	107	96638	51.088	ug/l	97
64) Tetrachloroethene	10.810	164	113378	44.533	ug/l	98
65) Chlorobenzene	11.610	112	383923	50.704	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	137192	52.705	ug/l	96
67) Ethyl Benzene	11.687	91	655630	53.354	ug/l	96
68) m/p-Xylenes	11.792	106	538798	106.988	ug/l	90
69) o-Xylene	12.122	106	233418	51.258	ug/l	92
70) Styrene	12.134	104	407069	48.685	ug/l	94
71) Bromoform	12.298	173	65315	48.000	ug/l #	96
73) Isopropylbenzene	12.422	105	558139	53.692	ug/l	97
74) N-amyl acetate	12.234	43	79170	51.829	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.675	83	104937	51.966	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	56270m	43.564	ug/l	
77) Bromobenzene	12.704	156	139872	52.192	ug/l	88
78) n-propylbenzene	12.763	91	679035	53.290	ug/l	96
79) 2-Chlorotoluene	12.851	91	365390	50.558	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	466252	53.802	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	30517	51.207	ug/l #	70
82) 4-Chlorotoluene	12.945	91	381911	50.821	ug/l	92
83) tert-Butylbenzene	13.169	119	396577	54.273	ug/l	93
84) 1,2,4-Trimethylbenzene	13.216	105	467065	53.712	ug/l	94
85) sec-Butylbenzene	13.345	105	606479	53.801	ug/l	97
86) p-Isopropyltoluene	13.463	119	508417	54.177	ug/l	94
87) 1,3-Dichlorobenzene	13.463	146	285148	51.145	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	277215	50.330	ug/l	97
89) n-Butylbenzene	13.786	91	455684	52.715	ug/l	97
90) Hexachloroethane	14.057	117	91720	49.191	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	247240	51.768	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13237	48.898	ug/l	77
93) 1,2,4-Trichlorobenzene	15.104	180	137066	49.331	ug/l	97
94) Hexachlorobutadiene	15.204	225	64939	48.899	ug/l	96
95) Naphthalene	15.333	128	263947	50.143	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	121818	49.812	ug/l	98

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

