

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012023\
 Data File : VD075146.D
 Acq On : 20 Jan 2023 11:13
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/23/2023
 Supervised By :Mahesh Dadoda 01/25/2023

Quant Time: Jan 23 00:24:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:32:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	87549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	150535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	130836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	59366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	44472	49.780	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.560%		
35) Dibromofluoromethane	7.805	113	46918	51.579	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.160%		
50) Toluene-d8	10.269	98	185290	51.734	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.460%		
62) 4-Bromofluorobenzene	12.575	95	57435	50.528	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	35307	51.921	ug/l	99
3) Chloromethane	2.146	50	51829	45.829	ug/l	99
4) Vinyl Chloride	2.281	62	56901	46.889	ug/l	97
5) Bromomethane	2.693	94	39063	47.332	ug/l	100
6) Chloroethane	2.834	64	41232	49.003	ug/l	95
7) Trichlorofluoromethane	3.175	101	79531	51.560	ug/l	97
8) Diethyl Ether	3.593	74	25564	51.437	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.969	101	50649	53.190	ug/l	97
10) Methyl Iodide	4.164	142	64604	50.400	ug/l	98
11) Tert butyl alcohol	5.058	59	14381	230.745	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	52222	52.094	ug/l	90
13) Acrolein	3.799	56	12061	232.711	ug/l	96
14) Allyl chloride	4.564	41	84473	51.923	ug/l	98
15) Acrylonitrile	5.252	53	55730	265.190	ug/l	98
16) Acetone	4.017	43	70787	300.426	ug/l	99
17) Carbon Disulfide	4.269	76	169543	52.144	ug/l	99
18) Methyl Acetate	4.564	43	32383	50.562	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	107220	51.202	ug/l	99
20) Methylene Chloride	4.799	84	60348	49.014	ug/l	98
21) trans-1,2-Dichloroethene	5.311	96	58244	52.191	ug/l	96
22) Diisopropyl ether	6.216	45	157678	52.073	ug/l	98
23) Vinyl Acetate	6.158	43	378433	283.562	ug/l	98
24) 1,1-Dichloroethane	6.116	63	100857	53.001	ug/l	97
25) 2-Butanone	7.081	43	80160	281.484	ug/l	94
26) 2,2-Dichloropropane	7.075	77	84148	49.606	ug/l	100
27) cis-1,2-Dichloroethene	7.087	96	62923	51.726	ug/l	98
28) Bromochloromethane	7.428	49	25280	48.657	ug/l	96
29) Tetrahydrofuran	7.446	42	42305	260.458	ug/l	98
30) Chloroform	7.599	83	97276	51.262	ug/l	95
31) Cyclohexane	7.881	56	91494	51.065	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	86186	52.718	ug/l	99
36) 1,1-Dichloropropene	8.005	75	77573	53.077	ug/l	100
37) Ethyl Acetate	7.169	43	30191	51.275	ug/l	98
38) Carbon Tetrachloride	7.993	117	67593	54.929	ug/l	99
39) Methylcyclohexane	9.275	83	99062	55.001	ug/l	98
40) Benzene	8.252	78	218691	52.470	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	17649	49.814	ug/l	94
42) 1,2-Dichloroethane	8.328	62	58190	53.151	ug/l	99
43) Isopropyl Acetate	8.363	43	59908	52.284	ug/l	98
44) Trichloroethene	9.028	130	60442	51.570	ug/l	94
45) 1,2-Dichloropropane	9.305	63	55143	53.710	ug/l	100
46) Dibromomethane	9.393	93	28053	51.810	ug/l	99
47) Bromodichloromethane	9.587	83	71209	53.010	ug/l	92
48) Methyl methacrylate	9.381	41	28284	50.479	ug/l	98
49) 1,4-Dioxane	9.381	88	5451	1054.529	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	146015	265.368	ug/l	99
52) Toluene	10.340	92	138802	52.698	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	66417	52.260	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	82933	53.413	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	37523	52.365	ug/l	97
56) Ethyl methacrylate	10.604	69	45930	53.300	ug/l	99
57) 1,3-Dichloropropane	10.881	76	64609	52.472	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	81317	275.772	ug/l	99
59) 2-Hexanone	10.922	43	114072	286.719	ug/l	99
60) Dibromochloromethane	11.075	129	45252	52.394	ug/l	98
61) 1,2-Dibromoethane	11.181	107	35116	51.291	ug/l	100
64) Tetrachloroethene	10.810	164	49845	53.350	ug/l	95
65) Chlorobenzene	11.610	112	140009	52.223	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.687	131	48499	53.782	ug/l	97
67) Ethyl Benzene	11.687	91	259813	53.838	ug/l	98
68) m/p-Xylenes	11.798	106	199580	107.057	ug/l	97
69) o-Xylene	12.122	106	93139	53.262	ug/l	100
70) Styrene	12.140	104	153776	52.899	ug/l	99
71) Bromoform	12.304	173	25017	53.726	ug/l #	96
73) Isopropylbenzene	12.422	105	249210	53.145	ug/l	100
74) N-amyl acetate	12.234	43	52161	50.779	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	39654	53.075	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	26074m	51.859	ug/l	
77) Bromobenzene	12.704	156	53866	50.291	ug/l	97
78) n-propylbenzene	12.769	91	299521	51.979	ug/l	100
79) 2-Chlorotoluene	12.851	91	164329	51.852	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	201502	52.449	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	12073	55.698	ug/l	97
82) 4-Chlorotoluene	12.951	91	166226	51.014	ug/l	99
83) tert-Butylbenzene	13.169	119	179459	53.985	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	198623	52.643	ug/l	99
85) sec-Butylbenzene	13.351	105	265431	52.562	ug/l	98
86) p-Isopropyltoluene	13.463	119	217189	52.533	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	106905	51.490	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	105489	51.641	ug/l	99
89) n-Butylbenzene	13.793	91	210257	52.190	ug/l	100
90) Hexachloroethane	14.057	117	38487	52.717	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	91200	51.343	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5937	51.971	ug/l	95
93) 1,2,4-Trichlorobenzene	15.104	180	59112	50.678	ug/l	99
94) Hexachlorobutadiene	15.210	225	29075	50.862	ug/l	99
95) Naphthalene	15.339	128	112258	48.345	ug/l	100
96) 1,2,3-Trichlorobenzene	15.528	180	50204	50.442	ug/l	98

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

