

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030823\
 Data File : VD075476.D
 Acq On : 08 Mar 2023 18:28
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 02:18:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 08 12:19:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	224650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	381019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	350342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	179387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	82057	57.484	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.960%			
35) Dibromofluoromethane	7.810	113	110067	49.853	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.700%			
50) Toluene-d8	10.269	98	385217	48.186	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.380%			
62) 4-Bromofluorobenzene	12.575	95	125573	51.943	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	100932	45.552	ug/l	98
3) Chloromethane	2.152	50	179428	55.764	ug/l	99
4) Vinyl Chloride	2.287	62	259205	48.851	ug/l	97
5) Bromomethane	2.693	94	205853	48.063	ug/l	98
6) Chloroethane	2.840	64	175743	49.934	ug/l	97
7) Trichlorofluoromethane	3.181	101	203936	49.180	ug/l	99
8) Diethyl Ether	3.593	74	56451	50.358	ug/l	67
9) 1,1,2-Trichlorotrifluo...	3.969	101	132104	48.707	ug/l	94
10) Methyl Iodide	4.169	142	163930	54.666	ug/l	92
11) Tert butyl alcohol	5.046	59	17923	193.099	ug/l #	100
12) 1,1-Dichloroethene	3.946	96	130452	48.691	ug/l	87
13) Acrolein	3.799	56	47949	223.144	ug/l	99
14) Allyl chloride	4.569	41	115881	49.131	ug/l #	82
15) Acrylonitrile	5.264	53	104351	251.209	ug/l	97
16) Acetone	4.022	43	82383	227.664	ug/l #	76
17) Carbon Disulfide	4.275	76	419240	49.069	ug/l	97
18) Methyl Acetate	4.564	43	51686	47.574	ug/l #	69
19) Methyl tert-butyl Ether	5.316	73	239995	52.503	ug/l	92
20) Methylene Chloride	4.811	84	159793	57.000	ug/l #	74
21) trans-1,2-Dichloroethene	5.316	96	153894	51.456	ug/l #	78
22) Diisopropyl ether	6.216	45	265872	53.245	ug/l #	89
23) Vinyl Acetate	6.158	43	641479	260.891	ug/l #	84
24) 1,1-Dichloroethane	6.111	63	220674	51.121	ug/l	96
25) 2-Butanone	7.087	43	110126	235.259	ug/l #	70
26) 2,2-Dichloropropane	7.075	77	194471	49.803	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	168427	52.348	ug/l	81
28) Bromochloromethane	7.428	49	75906	52.551	ug/l #	49
29) Tetrahydrofuran	7.452	42	63005	243.335	ug/l #	52
30) Chloroform	7.599	83	247616	52.718	ug/l	95
31) Cyclohexane	7.881	56	174638	48.432	ug/l #	79
32) 1,1,1-Trichloroethane	7.793	97	217230	52.268	ug/l	95
36) 1,1-Dichloropropene	8.010	75	197045	52.851	ug/l	96
37) Ethyl Acetate	7.169	43	48460	50.401	ug/l #	80
38) Carbon Tetrachloride	7.999	117	178115	51.587	ug/l	96
39) Methylcyclohexane	9.275	83	244269	52.262	ug/l	90
40) Benzene	8.252	78	570780	52.700	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	24903	48.477	ug/l #	60
42) 1,2-Dichloroethane	8.328	62	126853	52.132	ug/l	91
43) Isopropyl Acetate	8.363	43	94445	51.417	ug/l #	78
44) Trichloroethene	9.028	130	163006	50.979	ug/l	89
45) 1,2-Dichloropropane	9.310	63	124743	52.344	ug/l	96
46) Dibromomethane	9.399	93	76809	53.232	ug/l	96
47) Bromodichloromethane	9.587	83	184857	53.140	ug/l	96
48) Methyl methacrylate	9.387	41	44180	50.944	ug/l #	56
49) 1,4-Dioxane	9.387	88	11107	811.720	ug/l #	77
51) 4-Methyl-2-Pentanone	10.163	43	235904	251.217	ug/l #	76
52) Toluene	10.334	92	381932	54.434	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	169292	53.645	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	206891	53.194	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	105843	52.605	ug/l	91
56) Ethyl methacrylate	10.599	69	106302	53.157	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	168843	52.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	270796	275.438	ug/l #	87
59) 2-Hexanone	10.922	43	163188	246.336	ug/l	70
60) Dibromochloromethane	11.075	129	127858	53.309	ug/l	99
61) 1,2-Dibromoethane	11.181	107	100492	52.887	ug/l	95
64) Tetrachloroethene	10.810	164	131530	49.266	ug/l	97
65) Chlorobenzene	11.610	112	402940	51.632	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	136805	51.645	ug/l	96
67) Ethyl Benzene	11.687	91	703790	52.811	ug/l	98
68) m/p-Xylenes	11.798	106	578658	106.630	ug/l	91
69) o-Xylene	12.122	106	262650	53.235	ug/l	95
70) Styrene	12.140	104	457244	54.650	ug/l	94
71) Bromoform	12.298	173	70492	51.673	ug/l #	98
73) Isopropylbenzene	12.422	105	681006	50.973	ug/l	98
74) N-amyl acetate	12.240	43	83822	49.011	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.675	83	110556	48.481	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	68837m	48.438	ug/l	
77) Bromobenzene	12.704	156	156060	49.811	ug/l	89
78) n-propylbenzene	12.769	91	827044	51.076	ug/l	97
79) 2-Chlorotoluene	12.851	91	434214	49.624	ug/l	92
80) 1,3,5-Trimethylbenzene	12.910	105	559454	51.245	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	32486	47.422	ug/l #	72
82) 4-Chlorotoluene	12.951	91	447802	49.389	ug/l	93
83) tert-Butylbenzene	13.169	119	478595	51.135	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	557095	51.829	ug/l	96
85) sec-Butylbenzene	13.345	105	736468	50.645	ug/l	97
86) p-Isopropyltoluene	13.463	119	628293	51.986	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	328733	50.498	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	319594	49.807	ug/l	97
89) n-Butylbenzene	13.792	91	556255	49.531	ug/l	98
90) Hexachloroethane	14.057	117	114138	48.680	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	275111	49.403	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	14581	48.680	ug/l	82
93) 1,2,4-Trichlorobenzene	15.104	180	150477	47.986	ug/l	97
94) Hexachlorobutadiene	15.210	225	72525	45.712	ug/l	99
95) Naphthalene	15.334	128	283658	48.176	ug/l	100
96) 1,2,3-Trichlorobenzene	15.528	180	127959	47.041	ug/l	99

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

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