

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061623\
 Data File : VD076462.D
 Acq On : 16 Jun 2023 18:34
 Operator : KP/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD061623

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/19/2023
 Supervised By :Mahesh Dadoda 06/19/2023

Quant Time: Jun 19 04:56:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	150129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	261295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	240560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	114251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	75329	50.080	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.160%			
35) Dibromofluoromethane	7.805	113	78436	50.530	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.060%			
50) Toluene-d8	10.269	98	281551	47.827	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.660%			
62) 4-Bromofluorobenzene	12.575	95	94267	49.340	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	57433	50.346	ug/l	91
3) Chloromethane	2.146	50	119179	50.233	ug/l	98
4) Vinyl Chloride	2.275	62	135556	51.219	ug/l	94
5) Bromomethane	2.681	94	79179	46.012	ug/l	96
6) Chloroethane	2.828	64	87206	48.075	ug/l	98
7) Trichlorofluoromethane	3.164	101	111429	51.161	ug/l	98
8) Diethyl Ether	3.587	74	43784	53.416	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.958	101	71358	50.873	ug/l	98
10) Methyl Iodide	4.158	142	83247	50.060	ug/l	94
11) Tert butyl alcohol	5.058	59	34237	263.626	ug/l	98
12) 1,1-Dichloroethene	3.928	96	70764	51.512	ug/l #	83
13) Acrolein	3.793	56	33885	242.237	ug/l	100
14) Allyl chloride	4.558	41	126663	50.417	ug/l #	85
15) Acrylonitrile	5.252	53	116947	277.457	ug/l	99
16) Acetone	4.022	43	95097	265.683	ug/l #	86
17) Carbon Disulfide	4.258	76	190895	50.859	ug/l	100
18) Methyl Acetate	4.558	43	87859	53.263	ug/l #	59
19) Methyl tert-butyl Ether	5.316	73	198508	52.828	ug/l	94
20) Methylene Chloride	4.799	84	106343	53.557	ug/l #	75
21) trans-1,2-Dichloroethene	5.305	96	81486	51.321	ug/l	86
22) Diisopropyl ether	6.216	45	280641	51.661	ug/l #	92
23) Vinyl Acetate	6.152	43	742008	275.564	ug/l #	86
24) 1,1-Dichloroethane	6.110	63	154518	50.937	ug/l	94
25) 2-Butanone	7.081	43	154151	278.445	ug/l #	80
26) 2,2-Dichloropropane	7.075	77	125740	48.077	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	98083	51.042	ug/l	85
28) Bromochloromethane	7.422	49	43800	50.122	ug/l #	73
29) Tetrahydrofuran	7.446	42	99332	279.195	ug/l #	77
30) Chloroform	7.593	83	153113	50.975	ug/l	97
31) Cyclohexane	7.875	56	123101	52.927	ug/l	85
32) 1,1,1-Trichloroethane	7.787	97	125344	51.624	ug/l	97
36) 1,1-Dichloropropene	8.005	75	110933	51.033	ug/l	96
37) Ethyl Acetate	7.169	43	66484	52.781	ug/l #	94
38) Carbon Tetrachloride	7.993	117	104404	53.736	ug/l	97
39) Methylcyclohexane	9.269	83	128781	50.484	ug/l	94
40) Benzene	8.246	78	336713	50.794	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	38599	54.267	ug/l #	78
42) 1,2-Dichloroethane	8.328	62	95360	53.239	ug/l	95
43) Isopropyl Acetate	8.357	43	130008	54.518	ug/l #	85
44) Trichloroethene	9.028	130	93357	52.207	ug/l	99
45) 1,2-Dichloropropane	9.304	63	91950	51.159	ug/l	94
46) Dibromomethane	9.393	93	52076	54.087	ug/l	93
47) Bromodichloromethane	9.581	83	118758	51.542	ug/l	98
48) Methyl methacrylate	9.381	41	59727	54.645	ug/l #	73
49) 1,4-Dioxane	9.381	88	13365	1158.542	ug/l #	76
51) 4-Methyl-2-Pentanone	10.157	43	343847	282.072	ug/l #	85
52) Toluene	10.334	92	214840	51.646	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	125983	53.884	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	141763	51.142	ug/l #	83
55) 1,1,2-Trichloroethane	10.734	97	72488	53.823	ug/l	98
56) Ethyl methacrylate	10.598	69	94518	53.748	ug/l #	73
57) 1,3-Dichloropropane	10.881	76	119891	51.994	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	199894	268.120	ug/l	91
59) 2-Hexanone	10.922	43	238361	281.105	ug/l	80
60) Dibromochloromethane	11.075	129	84077	53.642	ug/l	91
61) 1,2-Dibromoethane	11.181	107	69445	54.928	ug/l	99
64) Tetrachloroethene	10.810	164	75125	52.026	ug/l	98
65) Chlorobenzene	11.604	112	237221	51.906	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	84399	51.638	ug/l	98
67) Ethyl Benzene	11.681	91	419016	51.744	ug/l	93
68) m/p-Xylenes	11.793	106	320608	101.423	ug/l	90
69) o-Xylene	12.122	106	156137	51.888	ug/l	94
70) Styrene	12.134	104	263566	50.705	ug/l	95
71) Bromoform	12.298	173	53685	54.705	ug/l #	99
73) Isopropylbenzene	12.422	105	396977	51.607	ug/l	97
74) N-amyl acetate	12.234	43	125232	55.611	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.675	83	87303	55.001	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	59291m	52.289	ug/l	
77) Bromobenzene	12.698	156	99294	52.322	ug/l	90
78) n-propylbenzene	12.763	91	486444	51.216	ug/l	96
79) 2-Chlorotoluene	12.851	91	268928	51.562	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	326307	51.944	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	28187	54.470	ug/l	93
82) 4-Chlorotoluene	12.945	91	275643	50.889	ug/l	97
83) tert-Butylbenzene	13.163	119	292341	52.375	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	328248	51.852	ug/l	95
85) sec-Butylbenzene	13.345	105	426719	51.516	ug/l	96
86) p-Isopropyltoluene	13.463	119	359433	51.932	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	188664	50.611	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	189564	50.988	ug/l	98
89) n-Butylbenzene	13.787	91	347209	51.432	ug/l	98
90) Hexachloroethane	14.051	117	67788	53.074	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	168741	51.802	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13736	57.492	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	114068	52.544	ug/l	96
94) Hexachlorobutadiene	15.204	225	53993	51.157	ug/l	96
95) Naphthalene	15.334	128	236678	54.520	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	101296	53.556	ug/l	97

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

