

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074575.D
 Acq On : 19 Oct 2022 12:18
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

Quant Time: Oct 20 06:19:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:16:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	93360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	153658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	135725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	58185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33758	47.361	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.720%		
35) Dibromofluoromethane	7.804	113	40615	43.158	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.320%		
50) Toluene-d8	10.269	98	153818	50.014	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.020%		
62) 4-Bromofluorobenzene	12.575	95	40786	40.090	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	34710	47.897	ug/l	99
3) Chloromethane	2.146	50	48346	49.283	ug/l	94
4) Vinyl Chloride	2.281	62	54588	50.320	ug/l	99
5) Bromomethane	2.687	94	36462	44.383	ug/l	97
6) Chloroethane	2.834	64	37426	50.179	ug/l	97
7) Trichlorofluoromethane	3.175	101	74467	48.427	ug/l	93
8) Diethyl Ether	3.593	74	23811	53.470	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.963	101	49387	53.722	ug/l	98
10) Methyl Iodide	4.163	142	62542	55.351	ug/l	98
11) Tert butyl alcohol	5.034	59	17545	146.211	ug/l #	95
12) 1,1-Dichloroethene	3.940	96	49660	50.068	ug/l	90
13) Acrolein	3.799	56	18996	248.833	ug/l	99
14) Allyl chloride	4.563	41	55926	52.213	ug/l	100
15) Acrylonitrile	5.257	53	47914	263.263	ug/l	99
16) Acetone	4.022	43	39181	251.725	ug/l	98
17) Carbon Disulfide	4.269	76	130500	48.083	ug/l	99
18) Methyl Acetate	4.563	43	21914	46.555	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	102319	52.792	ug/l	96
20) Methylene Chloride	4.799	84	64888	39.403	ug/l	88
21) trans-1,2-Dichloroethene	5.310	96	54552	49.339	ug/l	90
22) Diisopropyl ether	6.216	45	112296	51.955	ug/l	95
23) Vinyl Acetate	6.157	43	240991m	276.942	ug/l	
24) 1,1-Dichloroethane	6.116	63	85965	51.245	ug/l	99
25) 2-Butanone	7.081	43	51556	247.703	ug/l	99
26) 2,2-Dichloropropane	7.081	77	76614	47.784	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	62552	51.007	ug/l	97
28) Bromochloromethane	7.422	49	24372	59.699	ug/l	96
29) Tetrahydrofuran	7.445	42	29735	261.933	ug/l	98
30) Chloroform	7.592	83	90738	50.269	ug/l	96
31) Cyclohexane	7.881	56	67426	47.091	ug/l	99
32) 1,1,1-Trichloroethane	7.792	97	82033	49.558	ug/l	98
36) 1,1-Dichloropropene	8.010	75	67026	48.556	ug/l	98
37) Ethyl Acetate	7.169	43	22083	50.705	ug/l	99
38) Carbon Tetrachloride	7.992	117	67515	49.949	ug/l	95
39) Methylcyclohexane	9.275	83	83718	50.759	ug/l	97
40) Benzene	8.251	78	209132	51.049	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.392	41	10259	37.847	ug/l #	79
42) 1,2-Dichloroethane	8.328	62	48003	50.777	ug/l	100
43) Isopropyl Acetate	8.363	43	42221	52.164	ug/l	99
44) Trichloroethene	9.028	130	60054	50.039	ug/l	95
45) 1,2-Dichloropropane	9.304	63	45852	51.000	ug/l	95
46) Dibromomethane	9.392	93	26736	51.534	ug/l	95
47) Bromodichloromethane	9.586	83	66936	52.147	ug/l	96
48) Methyl methacrylate	9.381	41	18747	50.681	ug/l	99
49) 1,4-Dioxane	9.386	88	5760	1128.082	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	107040	265.879	ug/l	100
52) Toluene	10.334	92	133609	52.883	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	59145	52.407	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	73464	51.627	ug/l	98
55) 1,1,2-Trichloroethane	10.733	97	37406	52.478	ug/l	94
56) Ethyl methacrylate	10.598	69	42851	54.996	ug/l	98
57) 1,3-Dichloropropane	10.881	76	60482	52.305	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	43353	251.013	ug/l	99
59) 2-Hexanone	10.922	43	72701	264.574	ug/l	98
60) Dibromochloromethane	11.075	129	46166	53.734	ug/l	100
61) 1,2-Dibromoethane	11.181	107	34633	53.227	ug/l	96
64) Tetrachloroethene	10.810	164	48252	48.096	ug/l	93
65) Chlorobenzene	11.610	112	144441	50.523	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	49955	50.859	ug/l	99
67) Ethyl Benzene	11.686	91	247427	49.701	ug/l	96
68) m/p-Xylenes	11.792	106	183615	92.763	ug/l	99
69) o-Xylene	12.122	106	87482	47.489	ug/l	95
70) Styrene	12.133	104	148280	47.795	ug/l	98
71) Bromoform	12.298	173	23973	46.488	ug/l #	97
73) Isopropylbenzene	12.422	105	233205	51.392	ug/l	99
74) N-amyl acetate	12.233	43	34965	52.131	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	36536	50.860	ug/l	96
76) 1,2,3-Trichloropropane	12.727	75	28713m	59.963	ug/l	
77) Bromobenzene	12.698	156	53637	52.372	ug/l	96
78) n-propylbenzene	12.763	91	273275	50.958	ug/l	100
79) 2-Chlorotoluene	12.845	91	146910	50.567	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	185572	50.378	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	9534	47.956	ug/l	96
82) 4-Chlorotoluene	12.945	91	149521	50.094	ug/l	99
83) tert-Butylbenzene	13.163	119	166232	50.587	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	187600	51.754	ug/l	99
85) sec-Butylbenzene	13.345	105	251783	51.059	ug/l	99
86) p-Isopropyltoluene	13.457	119	212173	51.360	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	106736	50.152	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	103253	49.559	ug/l	99
89) n-Butylbenzene	13.786	91	194579	51.699	ug/l	98
90) Hexachloroethane	14.051	117	36013	50.084	ug/l	98
91) 1,2-Dichlorobenzene	13.827	146	89717	50.536	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5038	50.711	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	59283	50.621	ug/l	98
94) Hexachlorobutadiene	15.204	225	32751	50.833	ug/l	97
95) Naphthalene	15.333	128	112513	51.035	ug/l	99
96) 1,2,3-Trichlorobenzene	15.521	180	52116	51.913	ug/l	99

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

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