

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101122\
 Data File : VD074514.D
 Acq On : 11 Oct 2022 12:59
 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 10/13/2022
 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 12 00:43:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 00:39:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	90195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	155504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	140711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	63658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	40459	52.114	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.220%			
35) Dibromofluoromethane	7.805	113	47887	47.045	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.100%			
50) Toluene-d8	10.269	98	192663	56.364	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.720%			
62) 4-Bromofluorobenzene	12.569	95	52407	41.369	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	45943	52.686	ug/l	95
3) Chloromethane	2.146	50	54644	50.349	ug/l	94
4) Vinyl Chloride	2.281	62	58127	51.775	ug/l	99
5) Bromomethane	2.687	94	35496	44.565	ug/l	93
6) Chloroethane	2.834	64	37814	50.482	ug/l	93
7) Trichlorofluoromethane	3.169	101	86061	50.091	ug/l	99
8) Diethyl Ether	3.593	74	27007	52.365	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.964	101	56830	49.212	ug/l	99
10) Methyl Iodide	4.158	142	74041	55.923	ug/l	98
11) Tert butyl alcohol	5.052	59	21551m	140.093	ug/l	
12) 1,1-Dichloroethene	3.940	96	58876	50.054	ug/l	96
13) Acrolein	3.799	56	8348	210.417	ug/l	96
14) Allyl chloride	4.558	41	67155	52.445	ug/l	99
15) Acrylonitrile	5.258	53	53631	261.226	ug/l	100
16) Acetone	4.016	43	44755	267.247	ug/l	95
17) Carbon Disulfide	4.269	76	174348	50.132	ug/l	98
18) Methyl Acetate	4.564	43	24867	46.664	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	119481	53.379	ug/l	98
20) Methylene Chloride	4.799	84	68393	39.197	ug/l	92
21) trans-1,2-Dichloroethene	5.305	96	66211	52.261	ug/l	89
22) Diisopropyl ether	6.210	45	135739	53.019	ug/l	93
23) Vinyl Acetate	6.152	43	307058m	293.349	ug/l	
24) 1,1-Dichloroethane	6.111	63	101381	51.155	ug/l	97
25) 2-Butanone	7.081	43	58576	253.384	ug/l	95
26) 2,2-Dichloropropane	7.075	77	86621	49.653	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	67344	49.906	ug/l	97
28) Bromochloromethane	7.428	49	26210	50.088	ug/l	97
29) Tetrahydrofuran	7.446	42	31887	250.121	ug/l	99
30) Chloroform	7.599	83	96433	50.221	ug/l	99
31) Cyclohexane	7.875	56	79243	47.973	ug/l	99
32) 1,1,1-Trichloroethane	7.787	97	86901	49.979	ug/l	97
36) 1,1-Dichloropropene	8.010	75	75016	50.265	ug/l	100
37) Ethyl Acetate	7.169	43	23630	48.242	ug/l	97
38) Carbon Tetrachloride	7.993	117	71009	51.460	ug/l	98
39) Methylcyclohexane	9.269	83	94601	50.644	ug/l	97
40) Benzene	8.252	78	226858	51.073	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	13543	46.232	ug/l #	94
42) 1,2-Dichloroethane	8.328	62	52788	50.294	ug/l	99
43) Isopropyl Acetate	8.357	43	46636	51.818	ug/l	97
44) Trichloroethene	9.028	130	62343	49.062	ug/l	99
45) 1,2-Dichloropropane	9.304	63	52803	52.179	ug/l	97
46) Dibromomethane	9.393	93	29176	51.312	ug/l	93
47) Bromodichloromethane	9.581	83	71606	50.945	ug/l	95
48) Methyl methacrylate	9.381	41	21447	49.244	ug/l	96
49) 1,4-Dioxane	9.387	88	5996	1015.059	ug/l	99
51) 4-Methyl-2-Pentanone	10.157	43	116748	262.216	ug/l	98
52) Toluene	10.334	92	144885	51.611	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	64957	53.007	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	81767	52.828	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	39670	52.045	ug/l	95
56) Ethyl methacrylate	10.593	69	46179	52.557	ug/l	94
57) 1,3-Dichloropropane	10.881	76	64050	50.244	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	44544	269.973	ug/l	99
59) 2-Hexanone	10.916	43	79183	265.674	ug/l	97
60) Dibromochloromethane	11.075	129	46260	50.458	ug/l	99
61) 1,2-Dibromoethane	11.181	107	36710	51.762	ug/l	99
64) Tetrachloroethene	10.810	164	49937	47.394	ug/l	94
65) Chlorobenzene	11.604	112	151180	50.053	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	50997	49.759	ug/l	97
67) Ethyl Benzene	11.681	91	270793	50.579	ug/l	95
68) m/p-Xylenes	11.793	106	215135	100.774	ug/l	97
69) o-Xylene	12.116	106	99508	50.096	ug/l	96
70) Styrene	12.134	104	170325	50.744	ug/l	99
71) Bromoform	12.293	173	26168	50.124	ug/l #	95
73) Isopropylbenzene	12.416	105	258257	50.431	ug/l	100
74) N-amyl acetate	12.228	43	41031	51.158	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	41071	50.701	ug/l	99
76) 1,2,3-Trichloropropane	12.716	75	28500m	58.477	ug/l	
77) Bromobenzene	12.698	156	58056	50.110	ug/l	98
78) n-propylbenzene	12.757	91	312232	50.396	ug/l	100
79) 2-Chlorotoluene	12.845	91	165823	49.867	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	213272	51.242	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	11832	55.168	ug/l	91
82) 4-Chlorotoluene	12.940	91	168819	50.580	ug/l	100
83) tert-Butylbenzene	13.163	119	185397	50.871	ug/l	100
84) 1,2,4-Trimethylbenzene	13.204	105	207367	50.295	ug/l	100
85) sec-Butylbenzene	13.340	105	275643	49.636	ug/l	99
86) p-Isopropyltoluene	13.457	119	231359	50.175	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	118669	49.994	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	114170	48.468	ug/l	98
89) n-Butylbenzene	13.781	91	219535	50.969	ug/l	99
90) Hexachloroethane	14.051	117	41274	50.699	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	101077	49.919	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5851	52.834	ug/l	93
93) 1,2,4-Trichlorobenzene	15.092	180	65956	49.399	ug/l	99
94) Hexachlorobutadiene	15.198	225	35247	50.775	ug/l	98
95) Naphthalene	15.322	128	128129	50.815	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	57964	50.857	ug/l	99

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

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