

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070622\
 Data File : VD073797.D
 Acq On : 06 Jul 2022 17:47
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 04:59:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 07 04:53:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	112175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	218581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	199904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	89174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	16016	14.168	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	28.340%#		
35) Dibromofluoromethane	7.908	113	15118	12.574	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	25.140%#		
50) Toluene-d8	10.326	98	53454	12.232	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery =	24.460%#		
62) 4-Bromofluorobenzene	12.620	95	20638	11.889	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery =	23.780%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	8721	12.567	ug/l	91
3) Chloromethane	2.203	50	12397	15.342	ug/l	95
4) Vinyl Chloride	2.338	62	14066	15.343	ug/l	97
5) Bromomethane	2.750	94	11475	17.551	ug/l	98
6) Chloroethane	2.915	64	10461	15.472	ug/l	97
7) Trichlorofluoromethane	3.262	101	21373	13.078	ug/l	87
8) Diethyl Ether	3.703	74	6298	11.540	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.073	101	13032	12.168	ug/l	97
10) Methyl Iodide	4.291	142	7729	10.259	ug/l	95
11) Tert butyl alcohol	5.173	59	32688	116.267	ug/l #	93
12) 1,1-Dichloroethene	4.050	96	10282	11.222	ug/l	89
13) Acrolein	3.915	56	3448	82.871	ug/l	90
14) Allyl chloride	4.697	41	18026	11.282	ug/l	95
15) Acrylonitrile	5.420	53	16924	56.240	ug/l	94
16) Acetone	4.156	43	17785	75.959	ug/l	99
17) Carbon Disulfide	4.397	76	18131	12.581	ug/l #	95
18) Methyl Acetate	4.720	43	9952	10.979	ug/l #	77
19) Methyl tert-butyl Ether	5.479	73	37204	12.261	ug/l	93
20) Methylene Chloride	4.950	84	40183	26.829	ug/l	92
21) trans-1,2-Dichloroethene	5.467	96	12534	12.064	ug/l	87
22) Diisopropyl ether	6.356	45	47287	11.654	ug/l #	95
23) Vinyl Acetate	6.297	43	125095m	60.309	ug/l	
24) 1,1-Dichloroethane	6.250	63	27406	12.088	ug/l	99
25) 2-Butanone	7.203	43	23141	59.308	ug/l	98
26) 2,2-Dichloropropane	7.191	77	25440	12.284	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	16674	11.777	ug/l	98
28) Bromochloromethane	7.538	49	9604	11.074	ug/l #	92
29) Tetrahydrofuran	7.556	42	14275	58.618	ug/l	97
30) Chloroform	7.697	83	29895	12.341	ug/l	90
31) Cyclohexane	7.979	56	20891	11.974	ug/l #	91
32) 1,1,1-Trichloroethane	7.891	97	24313	11.525	ug/l	92
36) 1,1-Dichloropropene	8.103	75	18972	11.467	ug/l	97
37) Ethyl Acetate	7.285	43	10569	11.845	ug/l #	91
38) Carbon Tetrachloride	8.091	117	20032	11.141	ug/l	91
39) Methylcyclohexane	9.344	83	19148	10.316	ug/l	98
40) Benzene	8.344	78	54359	11.051	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	5148	9.185	ug/l	94
42) 1,2-Dichloroethane	8.420	62	18809	12.366	ug/l	99
43) Isopropyl Acetate	8.450	43	21384	11.245	ug/l	98
44) Trichloroethene	9.102	130	14113	10.901	ug/l	83
45) 1,2-Dichloropropane	9.379	63	14994	10.626	ug/l	97
46) Dibromomethane	9.467	93	8811	11.801	ug/l	99
47) Bromodichloromethane	9.650	83	23273	11.508	ug/l	97
48) Methyl methacrylate	9.444	41	9797	11.522	ug/l	96
49) 1,4-Dioxane	9.455	88	2102	209.013	ug/l #	85
51) 4-Methyl-2-Pentanone	10.220	43	56228	57.697	ug/l	96
52) Toluene	10.397	92	35303	10.758	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	21214	10.746	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	24424	10.998	ug/l	95
55) 1,1,2-Trichloroethane	10.791	97	11546	10.402	ug/l #	91
56) Ethyl methacrylate	10.649	69	14837	10.121	ug/l	93
57) 1,3-Dichloropropane	10.932	76	21134	11.288	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	29592	50.464	ug/l	100
59) 2-Hexanone	10.973	43	35427	53.541	ug/l	96
60) Dibromochloromethane	11.126	129	14567	10.755	ug/l	99
61) 1,2-Dibromoethane	11.238	107	11373	11.148	ug/l	90
64) Tetrachloroethene	10.867	164	11235	11.015	ug/l	89
65) Chlorobenzene	11.661	112	40685	10.958	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.732	131	15419	10.976	ug/l	98
67) Ethyl Benzene	11.732	91	72638	10.696	ug/l	97
68) m/p-Xylenes	11.838	106	53881	20.820	ug/l	99
69) o-Xylene	12.173	106	26501	10.486	ug/l	93
70) Styrene	12.179	104	45040	10.346	ug/l	98
71) Bromoform	12.344	173	7614	10.276	ug/l #	97
73) Isopropylbenzene	12.467	105	70822	10.444	ug/l	97
74) N-amyl acetate	12.273	43	19824	10.648	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	15165	11.084	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	10122m	11.943	ug/l	
77) Bromobenzene	12.743	156	15359	11.066	ug/l	97
78) n-propylbenzene	12.808	91	90001	10.622	ug/l	100
79) 2-Chlorotoluene	12.896	91	50349	10.589	ug/l	99
80) 1,3,5-Trimethylbenzene	12.943	105	60759	10.749	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.520	75	3970	8.996	ug/l	95
82) 4-Chlorotoluene	12.991	91	52555	10.615	ug/l	97
83) tert-Butylbenzene	13.208	119	52691	10.497	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	58596	10.508	ug/l	97
85) sec-Butylbenzene	13.385	105	80616	10.464	ug/l	99
86) p-Isopropyltoluene	13.502	119	64018	10.368	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	31060	10.684	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	31971	11.034	ug/l	96
89) n-Butylbenzene	13.826	91	66028	10.599	ug/l	99
90) Hexachloroethane	14.096	117	12743	10.323	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	27255	10.542	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	2390	10.443	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	16098	10.581	ug/l	99
94) Hexachlorobutadiene	15.249	225	7642	10.173	ug/l	96
95) Naphthalene	15.379	128	35035	10.310	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	13815	10.379	ug/l	95

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

