

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042722\
 Data File : VD072713.D
 Acq On : 27 Apr 2022 13:00
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2022
 Supervised By : Mahesh Dadoda 04/28/2022

Quant Time: Apr 27 14:00:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D042722S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 27 13:58:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	298353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	525548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	513908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	246481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	87527	24.390	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	48.780%#		
35) Dibromofluoromethane	7.914	113	78676	20.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.180%#		
50) Toluene-d8	10.332	98	282824	20.760	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	41.520%#		
62) 4-Bromofluorobenzene	12.620	95	104755	19.624	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	92589	37.162	ug/l	98
3) Chloromethane	2.209	50	102589	42.724	ug/l	94
4) Vinyl Chloride	2.350	62	91057	37.758	ug/l	98
5) Bromomethane	2.750	94	56956	32.527	ug/l	96
6) Chloroethane	2.915	64	55013	33.242	ug/l	97
7) Trichlorofluoromethane	3.273	101	145616	28.684	ug/l	98
8) Diethyl Ether	3.709	74	43011	27.945	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.085	101	84385	25.375	ug/l	97
10) Methyl Iodide	4.303	142	84793	30.762	ug/l	100
11) Tert butyl alcohol	5.197	59	41050m	202.896	ug/l	
12) 1,1-Dichloroethene	4.067	96	77222	29.067	ug/l	89
13) Acrolein	3.920	56	39063	313.285	ug/l	100
14) Allyl chloride	4.714	41	125191	28.973	ug/l	94
15) Acrylonitrile	5.420	53	100595	131.042	ug/l	97
16) Acetone	4.150	43	77907	115.832	ug/l	97
17) Carbon Disulfide	4.414	76	261291	48.682	ug/l	98
18) Methyl Acetate	4.714	43	49127	25.433	ug/l #	90
19) Methyl tert-butyl Ether	5.467	73	194630	25.105	ug/l	95
20) Methylene Chloride	4.962	84	162434	38.863	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	91023	30.441	ug/l	92
22) Diisopropyl ether	6.361	45	287753	26.786	ug/l	94
23) Vinyl Acetate	6.309	43	795335	150.566	ug/l	98
24) 1,1-Dichloroethane	6.261	63	168961	26.341	ug/l	99
25) 2-Butanone	7.208	43	121769	129.916	ug/l	93
26) 2,2-Dichloropropane	7.203	77	132663	23.612	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	101477	25.452	ug/l	95
28) Bromochloromethane	7.544	49	57888	20.814	ug/l	86
29) Tetrahydrofuran	7.561	42	76287	133.087	ug/l	92
30) Chloroform	7.703	83	174136	24.391	ug/l	94
31) Cyclohexane	7.979	56	147221	30.940	ug/l	91
32) 1,1,1-Trichloroethane	7.903	97	144711	24.109	ug/l	98
36) 1,1-Dichloropropene	8.108	75	129518	27.668	ug/l	99
37) Ethyl Acetate	7.291	43	53895	24.630	ug/l #	93
38) Carbon Tetrachloride	8.091	117	128574	23.880	ug/l	99
39) Methylcyclohexane	9.350	83	146467	28.553	ug/l	96
40) Benzene	8.350	78	365454	26.274	ug/l	97

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41) Methacrylonitrile	7.514	41	31659	26.002	ug/l #	86
42) 1,2-Dichloroethane	8.420	62	113868	26.442	ug/l	97
43) Isopropyl Acetate	8.444	43	109227	26.178	ug/l	96
44) Trichloroethene	9.108	130	96923	24.895	ug/l	94
45) 1,2-Dichloropropane	9.385	63	93566	24.123	ug/l	94
46) Dibromomethane	9.467	93	52933	25.750	ug/l	97
47) Bromodichloromethane	9.655	83	137254	23.543	ug/l	96
48) Methyl methacrylate	9.450	41	54096	26.352	ug/l	95
49) 1,4-Dioxane	9.455	88	11506	468.541	ug/l	91
51) 4-Methyl-2-Pentanone	10.220	43	285595	128.219	ug/l	98
52) Toluene	10.397	92	224718	24.508	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	124808	24.542	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	148247	24.647	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	71659	23.365	ug/l	97
56) Ethyl methacrylate	10.655	69	82538	23.701	ug/l	92
57) 1,3-Dichloropropane	10.938	76	123403	24.110	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	179003	112.355	ug/l	98
59) 2-Hexanone	10.973	43	187457	123.791	ug/l	99
60) Dibromochloromethane	11.132	129	86794	22.048	ug/l	99
61) 1,2-Dibromoethane	11.238	107	67497	24.420	ug/l	97
64) Tetrachloroethene	10.867	164	76090	23.462	ug/l	96
65) Chlorobenzene	11.661	112	242628	21.941	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	90977	20.670	ug/l	97
67) Ethyl Benzene	11.738	91	421421	21.883	ug/l	98
68) m/p-Xylenes	11.844	106	333633	45.561	ug/l	99
69) o-Xylene	12.173	106	153091	21.656	ug/l	98
70) Styrene	12.185	104	267872	21.591	ug/l	98
71) Bromoform	12.349	173	48851	20.780	ug/l #	96
73) Isopropylbenzene	12.467	105	391725	20.546	ug/l	100
74) N-amyl acetate	12.279	43	97962	23.303	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	80759	21.656	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	50382m	18.706	ug/l	
77) Bromobenzene	12.749	156	95353	21.961	ug/l	95
78) n-propylbenzene	12.808	91	497842	21.509	ug/l	100
79) 2-Chlorotoluene	12.896	91	294785	21.744	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	337912	20.606	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	24589	22.676	ug/l	90
82) 4-Chlorotoluene	12.991	91	302274	21.287	ug/l	99
83) tert-Butylbenzene	13.214	119	282830	20.052	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	344653	21.402	ug/l	100
85) sec-Butylbenzene	13.390	105	422071	19.946	ug/l	100
86) p-Isopropyltoluene	13.502	119	350036	20.163	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	182706	20.410	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	187840	20.827	ug/l	99
89) n-Butylbenzene	13.826	91	338912	20.472	ug/l	99
90) Hexachloroethane	14.096	117	69213	19.411	ug/l	94
91) 1,2-Dichlorobenzene	13.873	146	166995	21.199	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	13037	23.480	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	94882	19.574	ug/l	99
94) Hexachlorobutadiene	15.249	225	51274	19.074	ug/l	98
95) Naphthalene	15.384	128	173051	18.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	85208	20.100	ug/l	99

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

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