

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071122\
 Data File : VD073829.D
 Acq On : 11 Jul 2022 18:11
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071122

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 07:06:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 07:04:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	112579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	213250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	199820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	91446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	67337	44.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.320%		
35) Dibromofluoromethane	7.908	113	71683	50.813	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.620%		
50) Toluene-d8	10.332	98	208043	42.292	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	84.580%		
62) 4-Bromofluorobenzene	12.620	95	106565	51.127	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	102.260%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	29891	46.815	ug/l	93
3) Chloromethane	2.209	50	30739	45.229	ug/l	98
4) Vinyl Chloride	2.344	62	44345	50.233	ug/l	95
5) Bromomethane	2.750	94	34036	52.425	ug/l	95
6) Chloroethane	2.903	64	34909	42.919	ug/l	96
7) Trichlorofluoromethane	3.262	101	69964	43.721	ug/l	99
8) Diethyl Ether	3.703	74	22186	43.998	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.079	101	44122	44.694	ug/l	99
10) Methyl Iodide	4.297	142	25854	40.360	ug/l	96
11) Tert butyl alcohol	5.226	59	46217m	138.804	ug/l	
12) 1,1-Dichloroethene	4.056	96	31821	42.038	ug/l	89
13) Acrolein	3.920	56	11566	247.934	ug/l	93
14) Allyl chloride	4.703	41	67093	45.972	ug/l	98
15) Acrylonitrile	5.414	53	71923	248.766	ug/l	100
16) Acetone	4.150	43	60752	235.163	ug/l	96
17) Carbon Disulfide	4.403	76	41666	43.872	ug/l #	91
18) Methyl Acetate	4.714	43	30687	47.721	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	146532	50.193	ug/l	95
20) Methylene Chloride	4.950	84	56288	50.355	ug/l	96
21) trans-1,2-Dichloroethene	5.461	96	37951	42.601	ug/l #	89
22) Diisopropyl ether	6.361	45	194570	48.838	ug/l	98
23) Vinyl Acetate	6.297	43	544030	265.762	ug/l	98
24) 1,1-Dichloroethane	6.250	63	101512	46.639	ug/l	98
25) 2-Butanone	7.202	43	95003	244.448	ug/l	96
26) 2,2-Dichloropropane	7.197	77	94632	45.668	ug/l	100
27) cis-1,2-Dichloroethene	7.197	96	58826	46.003	ug/l	96
28) Bromochloromethane	7.538	49	40509	45.634	ug/l	93
29) Tetrahydrofuran	7.555	42	56158	242.600	ug/l	98
30) Chloroform	7.702	83	114932	46.979	ug/l	94
31) Cyclohexane	7.973	56	58325	48.551	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	96731	47.289	ug/l	98
36) 1,1-Dichloropropene	8.102	75	65243	45.709	ug/l	99
37) Ethyl Acetate	7.285	43	40887	46.799	ug/l	98
38) Carbon Tetrachloride	8.091	117	75364	46.230	ug/l	87
39) Methylcyclohexane	9.349	83	61324	41.506	ug/l	97
40) Benzene	8.344	78	194226	45.706	ug/l	96

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41) Methacrylonitrile	7.508	41	27473	47.998	ug/l #	86
42) 1,2-Dichloroethane	8.420	62	70923	46.862	ug/l	98
43) Isopropyl Acetate	8.444	43	85667	49.851	ug/l	99
44) Trichloroethene	9.108	130	52120	47.004	ug/l	98
45) 1,2-Dichloropropane	9.379	63	61768	49.122	ug/l	96
46) Dibromomethane	9.467	93	33261	48.607	ug/l	94
47) Bromodichloromethane	9.649	83	94979	49.076	ug/l	97
48) Methyl methacrylate	9.449	41	39937	51.164	ug/l	97
49) 1,4-Dioxane	9.449	88	9254	1057.953	ug/l	88
51) 4-Methyl-2-Pentanone	10.220	43	234564	256.148	ug/l	100
52) Toluene	10.396	92	133283	46.708	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	85761	48.220	ug/l	93
54) cis-1,3-Dichloropropene	10.079	75	92940	47.269	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	51083	49.610	ug/l	96
56) Ethyl methacrylate	10.649	69	65193	52.331	ug/l	96
57) 1,3-Dichloropropane	10.938	76	87530	50.029	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	114296	230.327	ug/l	99
59) 2-Hexanone	10.973	43	163241	261.840	ug/l	100
60) Dibromochloromethane	11.126	129	62153	48.664	ug/l	98
61) 1,2-Dibromoethane	11.232	107	46036	49.772	ug/l	97
64) Tetrachloroethene	10.867	164	36224	42.100	ug/l	97
65) Chlorobenzene	11.661	112	157443	47.660	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.732	131	64436	49.125	ug/l	99
67) Ethyl Benzene	11.732	91	286216	46.437	ug/l	98
68) m/p-Xylenes	11.843	106	214976	95.107	ug/l	99
69) o-Xylene	12.167	106	106438	47.496	ug/l	99
70) Styrene	12.185	104	189570	48.854	ug/l	100
71) Bromoform	12.343	173	34085	50.098	ug/l #	100
73) Isopropylbenzene	12.467	105	297843	47.659	ug/l	99
74) N-amyl acetate	12.279	43	88016	51.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	66008	50.794	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	44045m	44.522	ug/l	
77) Bromobenzene	12.749	156	62683	47.862	ug/l	97
78) n-propylbenzene	12.808	91	368258	46.652	ug/l	98
79) 2-Chlorotoluene	12.896	91	211446	46.576	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	250198	48.022	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.514	75	19220	51.059	ug/l	99
82) 4-Chlorotoluene	12.990	91	224182	47.216	ug/l	99
83) tert-Butylbenzene	13.208	119	217641	47.404	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	248335	47.514	ug/l	100
85) sec-Butylbenzene	13.385	105	338121	47.367	ug/l	99
86) p-Isopropyltoluene	13.502	119	272594	47.424	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	134870	47.910	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	132787	48.170	ug/l	99
89) n-Butylbenzene	13.826	91	275769	47.812	ug/l	99
90) Hexachloroethane	14.096	117	54441	48.925	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	120612	48.650	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.484	75	10748	49.331	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	66300	46.931	ug/l	95
94) Hexachlorobutadiene	15.249	225	31660	47.098	ug/l	99
95) Naphthalene	15.379	128	156409	50.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	59000	48.040	ug/l	99

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

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