

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073058.D
 Acq On : 17 May 2022 15:16
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD051722

Quant Time: May 18 04:58:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	373563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	632926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	585107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	272461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	202265	43.296	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.600%		
35) Dibromofluoromethane	7.908	113	204666	46.056	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.120%		
50) Toluene-d8	10.332	98	772755	47.933	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.860%		
62) 4-Bromofluorobenzene	12.620	95	266204	45.590	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	186718	39.972	ug/l	95
3) Chloromethane	2.209	50	203375	42.232	ug/l	97
4) Vinyl Chloride	2.344	62	196763	44.427	ug/l	98
5) Bromomethane	2.762	94	132831	42.227	ug/l	96
6) Chloroethane	2.914	64	124683	45.208	ug/l	100
7) Trichlorofluoromethane	3.267	101	360853	44.523	ug/l	98
8) Diethyl Ether	3.709	74	101064	45.571	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	208640	43.471	ug/l	97
10) Methyl Iodide	4.297	142	248642	44.984	ug/l	98
11) Tert butyl alcohol	5.203	59	118281	163.688	ug/l #	89
12) 1,1-Dichloroethene	4.061	96	198863	45.820	ug/l	90
13) Acrolein	3.914	56	86531	198.994	ug/l	97
14) Allyl chloride	4.714	41	332870	48.409	ug/l	92
15) Acrylonitrile	5.414	53	237774	223.701	ug/l	98
16) Acetone	4.156	43	204307	241.666	ug/l	98
17) Carbon Disulfide	4.403	76	662051	45.545	ug/l	99
18) Methyl Acetate	4.720	43	107504	42.341	ug/l	91
19) Methyl tert-butyl Ether	5.467	73	488066	48.086	ug/l	96
20) Methylene Chloride	4.961	84	247500	40.336	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	240144	46.516	ug/l	90
22) Diisopropyl ether	6.355	45	708988	48.037	ug/l	93
23) Vinyl Acetate	6.303	43	1956980	245.442	ug/l	96
24) 1,1-Dichloroethane	6.255	63	419518	45.689	ug/l	98
25) 2-Butanone	7.202	43	300614	234.824	ug/l	94
26) 2,2-Dichloropropane	7.202	77	368605	47.416	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	269088	47.265	ug/l	92
28) Bromochloromethane	7.538	49	142128	45.187	ug/l	84
29) Tetrahydrofuran	7.555	42	191377	232.324	ug/l	93
30) Chloroform	7.702	83	438989	44.682	ug/l	97
31) Cyclohexane	7.979	56	383384	45.560	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	390204	46.359	ug/l	96
36) 1,1-Dichloropropene	8.108	75	331920	45.840	ug/l	96
37) Ethyl Acetate	7.291	43	137801	45.315	ug/l #	95
38) Carbon Tetrachloride	8.091	117	338474	45.690	ug/l	99
39) Methylcyclohexane	9.349	83	404780	47.941	ug/l	95
40) Benzene	8.344	78	962083	46.468	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	83340	48.602	ug/l	94
42) 1,2-Dichloroethane	8.414	62	266307	44.190	ug/l	97
43) Isopropyl Acetate	8.444	43	258213	45.671	ug/l #	93
44) Trichloroethene	9.102	130	255225	45.575	ug/l	97
45) 1,2-Dichloropropane	9.379	63	239390	44.524	ug/l	97
46) Dibromomethane	9.467	93	127242	42.799	ug/l	96
47) Bromodichloromethane	9.655	83	331255	43.869	ug/l #	98
48) Methyl methacrylate	9.449	41	131057	46.733	ug/l	88
49) 1,4-Dioxane	9.455	88	27954	903.119	ug/l	100
51) 4-Methyl-2-Pentanone	10.220	43	680158	230.527	ug/l	95
52) Toluene	10.396	92	617685	46.991	ug/l	96
53) t-1,3-Dichloropropene	10.608	75	316227	45.918	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	378198	46.578	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	176195	43.419	ug/l	98
56) Ethyl methacrylate	10.649	69	221504	48.265	ug/l	88
57) 1,3-Dichloropropane	10.938	76	303367	43.936	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	484889	203.115	ug/l	97
59) 2-Hexanone	10.973	43	478789	245.653	ug/l	94
60) Dibromochloromethane	11.132	129	218511	43.342	ug/l	99
61) 1,2-Dibromoethane	11.238	107	170949	43.778	ug/l	99
64) Tetrachloroethene	10.867	164	204170	47.628	ug/l	95
65) Chlorobenzene	11.661	112	643064	48.471	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	234460	46.264	ug/l	97
67) Ethyl Benzene	11.738	91	1172940	50.777	ug/l	98
68) m/p-Xylenes	11.843	106	914954	102.198	ug/l	100
69) o-Xylene	12.167	106	425419	51.528	ug/l	97
70) Styrene	12.185	104	731461	50.724	ug/l	98
71) Bromoform	12.349	173	123828	46.407	ug/l #	100
73) Isopropylbenzene	12.467	105	1138324	55.118	ug/l	100
74) N-amyl acetate	12.279	43	255287	52.894	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	195720	48.071	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	138515m	44.973	ug/l	
77) Bromobenzene	12.749	156	253036	51.350	ug/l	92
78) n-propylbenzene	12.808	91	1409173	54.335	ug/l	99
79) 2-Chlorotoluene	12.896	91	786686	52.069	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	950135	54.003	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	65106	50.685	ug/l	90
82) 4-Chlorotoluene	12.990	91	831111	51.977	ug/l	99
83) tert-Butylbenzene	13.208	119	817944	54.885	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	942589	53.849	ug/l	99
85) sec-Butylbenzene	13.390	105	1227583	54.267	ug/l	100
86) p-Isopropyltoluene	13.502	119	1007712	54.767	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	505006	49.862	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	494865	49.445	ug/l	99
89) n-Butylbenzene	13.826	91	973193	54.387	ug/l	99
90) Hexachloroethane	14.096	117	195075	51.022	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	439073	49.983	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	30724	48.548	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	267214	53.315	ug/l	99
94) Hexachlorobutadiene	15.249	225	139614	49.905	ug/l	98
95) Naphthalene	15.384	128	492402	46.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	228986	51.460	ug/l	98

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

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