

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042722\
 Data File : VD072717.D
 Acq On : 27 Apr 2022 15:35
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042722

Manual Integrations
 APPROVED

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

Quant Time: Apr 27 15:59:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D042722S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 27 14:36:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	347909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	602782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	573483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	226914	49.125	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.240%		
35) Dibromofluoromethane	7.908	113	200216	49.876	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.760%		
50) Toluene-d8	10.332	98	722707	49.939	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.880%		
62) 4-Bromofluorobenzene	12.620	95	259012	47.456	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	234420	49.443	ug/l	100
3) Chloromethane	2.209	50	257976	48.180	ug/l	97
4) Vinyl Chloride	2.350	62	240625	49.839	ug/l	99
5) Bromomethane	2.768	94	160052	51.320	ug/l	92
6) Chloroethane	2.920	64	148597	50.728	ug/l	97
7) Trichlorofluoromethane	3.273	101	389392	50.424	ug/l	99
8) Diethyl Ether	3.709	74	110253	48.178	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	219192	49.785	ug/l	97
10) Methyl Iodide	4.297	142	242996	47.148	ug/l	100
11) Tert butyl alcohol	5.209	59	72118	228.577	ug/l	95
12) 1,1-Dichloroethene	4.067	96	209887	50.935	ug/l	96
13) Acrolein	3.920	56	81997	209.627	ug/l	98
14) Allyl chloride	4.720	41	355866	51.008	ug/l	96
15) Acrylonitrile	5.414	53	249046	233.491	ug/l	99
16) Acetone	4.156	43	207964	229.736	ug/l	96
17) Carbon Disulfide	4.409	76	694747	50.195	ug/l	99
18) Methyl Acetate	4.714	43	116146	44.528	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	500941	48.503	ug/l	98
20) Methylene Chloride	4.967	84	356749	58.205	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	242338	49.811	ug/l	92
22) Diisopropyl ether	6.361	45	753106	50.022	ug/l	93
23) Vinyl Acetate	6.303	43	2133670	250.977	ug/l	96
24) 1,1-Dichloroethane	6.261	63	432906	48.764	ug/l	99
25) 2-Butanone	7.208	43	316994	234.662	ug/l	96
26) 2,2-Dichloropropane	7.208	77	370671	50.615	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	266820	49.493	ug/l	95
28) Bromochloromethane	7.538	49	170866	49.420	ug/l	90
29) Tetrahydrofuran	7.556	42	207513	244.113	ug/l	97
30) Chloroform	7.703	83	452933	49.368	ug/l	96
31) Cyclohexane	7.985	56	400111	49.894	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	393516	50.618	ug/l	97
36) 1,1-Dichloropropene	8.108	75	337652	50.204	ug/l	97
37) Ethyl Acetate	7.285	43	147807	48.255	ug/l #	97
38) Carbon Tetrachloride	8.091	117	344880	50.737	ug/l	99
39) Methylcyclohexane	9.350	83	402096	51.629	ug/l	100
40) Benzene	8.350	78	960650	50.168	ug/l	98

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41) Methacrylonitrile	7.508	41	99190	56.444	ug/l	94
42) 1,2-Dichloroethane	8.420	62	288322	47.774	ug/l	98
43) Isopropyl Acetate	8.450	43	278917	47.920	ug/l	96
44) Trichloroethene	9.108	130	250338	49.415	ug/l	98
45) 1,2-Dichloropropane	9.379	63	246346	49.744	ug/l	99
46) Dibromomethane	9.467	93	131984	47.054	ug/l	98
47) Bromodichloromethane	9.655	83	347203	48.699	ug/l	99
48) Methyl methacrylate	9.450	41	144627	49.535	ug/l	95
49) 1,4-Dioxane	9.455	88	30623	989.201	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	719306	240.470	ug/l	97
52) Toluene	10.397	92	603268	50.430	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	322152	48.965	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	385315	50.210	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	177819	47.097	ug/l	98
56) Ethyl methacrylate	10.655	69	224433	50.730	ug/l	90
57) 1,3-Dichloropropane	10.938	76	308170	47.849	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	600867	258.020	ug/l	98
59) 2-Hexanone	10.973	43	482348	240.488	ug/l	98
60) Dibromochloromethane	11.132	129	219290	47.307	ug/l	100
61) 1,2-Dibromoethane	11.238	107	171287	47.811	ug/l	98
64) Tetrachloroethene	10.867	164	194355	49.413	ug/l	95
65) Chlorobenzene	11.661	112	617743	48.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	231747	48.837	ug/l	99
67) Ethyl Benzene	11.738	91	1133060	50.978	ug/l	100
68) m/p-Xylenes	11.844	106	866419	102.224	ug/l	97
69) o-Xylene	12.173	106	406220	50.715	ug/l	100
70) Styrene	12.185	104	707881	51.927	ug/l	99
71) Bromoform	12.349	173	116461	45.720	ug/l #	97
73) Isopropylbenzene	12.467	105	1060721	53.216	ug/l	100
74) N-amyl acetate	12.279	43	263610	51.192	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	192678	48.233	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	120994m	41.119	ug/l	
77) Bromobenzene	12.749	156	237652	50.072	ug/l	98
78) n-propylbenzene	12.808	91	1335032	53.590	ug/l	99
79) 2-Chlorotoluene	12.896	91	756675	51.905	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	894956	53.105	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	63075	49.809	ug/l	93
82) 4-Chlorotoluene	12.991	91	805263	52.475	ug/l	98
83) tert-Butylbenzene	13.208	119	750482	53.239	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	882663	52.452	ug/l	99
85) sec-Butylbenzene	13.390	105	1133264	53.218	ug/l	99
86) p-Isopropyltoluene	13.502	119	935023	53.645	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	468040	50.123	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	459403	49.321	ug/l	99
89) n-Butylbenzene	13.826	91	907542	53.518	ug/l	99
90) Hexachloroethane	14.096	117	183801	52.584	ug/l	93
91) 1,2-Dichlorobenzene	13.873	146	402303	49.108	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	30964	47.217	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	242737	51.003	ug/l	99
94) Hexachlorobutadiene	15.249	225	128241	50.750	ug/l	97
95) Naphthalene	15.385	128	458598	51.172	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	209556	49.955	ug/l	99

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

