

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065975.D
 Acq On : 21 Jul 2020 11:43
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:24 PM

Quant Time: Jul 21 12:15:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:03:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	379843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	538614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	498362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	318680	103.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.00%	
35) Dibromofluoromethane	7.92	113	337749	104.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.74%	
50) Toluene-d8	10.34	98	1283009	106.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.84%	
62) 4-Bromofluorobenzene	12.64	95	439547	103.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	248465	81.308	ug/l	98
3) Chloromethane	2.21	50	215733	89.395	ug/l	98
4) Vinyl Chloride	2.35	62	212950	91.391	ug/l	98
5) Bromomethane	2.76	94	145453	73.017	ug/l	97
6) Chloroethane	2.92	64	129807	92.443	ug/l	98
7) Trichlorofluoromethane	3.27	101	509526	90.867	ug/l	99
8) Diethyl Ether	3.70	74	147282	102.034	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	308336	92.735	ug/l	99
10) Methyl Iodide	4.30	142	344136	189.467	ug/l	97
11) Tert butyl alcohol	5.23	59	84725	322.988	ug/l #	88
12) 1,1-Dichloroethene	4.07	96	298931	94.703	ug/l	91
13) Acrolein	3.93	56	130288	514.030	ug/l	99
14) Allyl chloride	4.71	41	492871	101.725	ug/l	99
15) Acrylonitrile	5.43	53	326747	527.485	ug/l	98
16) Acetone	4.16	43	306252	490.500	ug/l	94
17) Carbon Disulfide	4.41	76	973536	94.441	ug/l	99
18) Methyl Acetate	4.71	43	139059	96.817	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	649846	104.964	ug/l	99
20) Methylene Chloride	4.97	84	323699	75.146	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	348093	97.639	ug/l	99
22) Diisopropyl ether	6.36	45	924917	100.837	ug/l	98
23) Vinyl Acetate	6.30	43	2761637	548.688	ug/l	97
24) 1,1-Dichloroethane	6.26	63	555823	96.879	ug/l	97
25) 2-Butanone	7.21	43	410406	498.514	ug/l	96
26) 2,2-Dichloropropane	7.21	77	489303	92.920	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	365403	97.817	ug/l	100
28) Bromochloromethane	7.55	49	260220	109.854	ug/l	97
29) Tetrahydrofuran	7.56	42	257592	512.806	ug/l	99
30) Chloroform	7.71	83	566055	95.129	ug/l	97
31) Cyclohexane	7.98	56	512618	89.030	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	526037	94.482	ug/l	100
36) 1,1-Dichloropropene	8.11	75	455551	97.398	ug/l	98
37) Ethyl Acetate	7.29	43	177481	98.918	ug/l	98
38) Carbon Tetrachloride	8.10	117	498817	100.552	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	572996	103.443	ug/l	97
40) Benzene	8.36	78	1280710	98.720	ug/l	99
41) Methacrylonitrile	7.53	41	89937	67.050	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	352157	98.766	ug/l	99
43) Isopropyl Acetate	8.46	43	350790	106.221	ug/l	100
44) Trichloroethene	9.11	130	384402	98.496	ug/l	91
45) 1,2-Dichloropropane	9.39	63	314002	100.930	ug/l	97
46) Dibromomethane	9.48	93	169232	99.389	ug/l	99
47) Bromodichloromethane	9.67	83	440683	98.758	ug/l	98
48) Methyl methacrylate	9.46	41	184424	107.219	ug/l	99
49) 1,4-Dioxane	9.46	88	40684	2161.528	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	901586	534.661	ug/l	100
52) Toluene	10.41	92	838297	100.349	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	429579	108.908	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	514329	105.351	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	229827	98.076	ug/l	97
56) Ethyl methacrylate	10.66	69	300111	113.956	ug/l	99
57) 1,3-Dichloropropane	10.95	76	398101	102.114	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	651547	506.882	ug/l	100
59) 2-Hexanone	10.99	43	627946	541.918	ug/l	97
60) Dibromochloromethane	11.14	129	319436	100.883	ug/l	99
61) 1,2-Dibromoethane	11.25	107	232989	102.793	ug/l	99
64) Tetrachloroethene	10.88	164	331241	97.225	ug/l	98
65) Chlorobenzene	11.67	112	897928	97.671	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	330870	97.270	ug/l	98
67) Ethyl Benzene	11.75	91	1563737	99.172	ug/l	99
68) m/p-Xylenes	11.86	106	1209606	198.367	ug/l	99
69) o-Xylene	12.18	106	559233	103.020	ug/l	100
70) Styrene	12.20	104	958984	102.058	ug/l	99
71) Bromoform	12.37	173	198291	103.726	ug/l #	100
73) Isopropylbenzene	12.48	105	1529312	102.545	ug/l	100
74) N-amyl acetate	12.29	43	332064	110.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	247157	100.199	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	187879m	84.896	ug/l	
77) Bromobenzene	12.77	156	382654	99.396	ug/l	99
78) n-propylbenzene	12.83	91	1769666	101.270	ug/l	99
79) 2-Chlorotoluene	12.91	91	1001807	100.429	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1264309	101.775	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	85657	108.605	ug/l	98
82) 4-Chlorotoluene	13.01	91	1046471	98.756	ug/l	100
83) tert-Butylbenzene	13.23	119	1118367	103.664	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1230661	101.004	ug/l	100
85) sec-Butylbenzene	13.41	105	1537568	103.079	ug/l	100
86) p-Isopropyltoluene	13.52	119	1401069	104.313	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	696882	95.887	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	711794	97.718	ug/l	98
89) n-Butylbenzene	13.85	91	1293956	104.155	ug/l	99
90) Hexachloroethane	14.12	117	277297	100.574	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	618103	99.329	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	40651	103.452	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	459334	106.226	ug/l	99
94) Hexachlorobutadiene	15.27	225	271860	100.405	ug/l	99
95) Naphthalene	15.41	128	789284	119.538	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	400175	105.747	ug/l	100

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

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