

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065529.D
 Acq On : 26 Mar 2020 17:02
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 3/27/2020 10:12:22 AM

Quant Time: Mar 27 01:27:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:12:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	542923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	766930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	700166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	356728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	215430	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	7.92	113	230923	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	10.34	98	904560	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.64	95	287946	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	139525	31.594	ug/l	100
3) Chloromethane	2.21	50	203686	37.327	ug/l	100
4) Vinyl Chloride	2.35	62	220519	40.830	ug/l	100
5) Bromomethane	2.77	94	156380	44.372	ug/l	100
6) Chloroethane	2.93	64	146032	43.750	ug/l	100
7) Trichlorofluoromethane	3.27	101	337212	42.083	ug/l	100
8) Diethyl Ether	3.71	74	109776	45.490	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	226210	43.523	ug/l	100
10) Methyl Iodide	4.30	142	292794	53.601	ug/l	100
11) Tert butyl alcohol	5.24	59	59194	223.095	ug/l	100
12) 1,1-Dichloroethene	4.06	96	214548	43.239	ug/l	100
13) Acrolein	3.93	56	110547	237.681	ug/l	100
14) Allyl chloride	4.71	41	334747	44.054	ug/l	100
15) Acrylonitrile	5.43	53	230446	220.807	ug/l	100
16) Acetone	4.16	43	195766	210.634	ug/l	100
17) Carbon Disulfide	4.40	76	709892	43.123	ug/l	100
18) Methyl Acetate	4.73	43	103523	43.773	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	458584	47.685	ug/l	100
20) Methylene Chloride	4.96	84	249735	43.106	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	251111	45.400	ug/l	100
22) Diisopropyl ether	6.37	45	683079	47.956	ug/l	100
23) Vinyl Acetate	6.31	43	1913447	242.328	ug/l	100
24) 1,1-Dichloroethane	6.27	63	407229	44.742	ug/l	100
25) 2-Butanone	7.22	43	280943	221.540	ug/l	100
26) 2,2-Dichloropropane	7.21	77	365015	45.633	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	263625	46.545	ug/l	100
28) Bromochloromethane	7.56	49	173266	47.079	ug/l	100
29) Tetrahydrofuran	7.57	42	185936	229.644	ug/l	100
30) Chloroform	7.71	83	421499	46.138	ug/l	100
31) Cyclohexane	7.99	56	387241	42.720	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	383693	45.520	ug/l	100
36) 1,1-Dichloropropene	8.11	75	340321	46.985	ug/l	100
37) Ethyl Acetate	7.30	43	130183	46.216	ug/l	100
38) Carbon Tetrachloride	8.10	117	352942	46.840	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	415210	47.673	ug/l	100
40) Benzene	8.36	78	967492	47.679	ug/l	100
41) Methacrylonitrile	7.53	41	71948	47.165	ug/l	100
42) 1,2-Dichloroethane	8.43	62	253411	47.517	ug/l	100
43) Isopropyl Acetate	8.46	43	243319	46.918	ug/l	100
44) Trichloroethene	9.11	130	275591	47.970	ug/l	100
45) 1,2-Dichloropropane	9.39	63	234732	47.667	ug/l	100
46) Dibromomethane	9.48	93	123342	48.217	ug/l	100
47) Bromodichloromethane	9.67	83	320902	48.204	ug/l	100
48) Methyl methacrylate	9.46	41	117158	47.849	ug/l	100
49) 1,4-Dioxane	9.47	88	29272	993.874	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	637988	243.659	ug/l	100
52) Toluene	10.41	92	627997	49.038	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	305294	49.023	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	371830	49.373	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	175728	48.233	ug/l	100
56) Ethyl methacrylate	10.67	69	209392	51.048	ug/l	100
57) 1,3-Dichloropropane	10.95	76	299124	48.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	548812	366.086	ug/l	100
59) 2-Hexanone	10.99	43	440619	243.778	ug/l	100
60) Dibromochloromethane	11.14	129	230861	49.337	ug/l	100
61) 1,2-Dibromoethane	11.25	107	171617	49.201	ug/l	100
64) Tetrachloroethene	10.88	164	242919	48.717	ug/l	100
65) Chlorobenzene	11.68	112	663482	48.246	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	249048	49.445	ug/l	100
67) Ethyl Benzene	11.75	91	1179250	49.809	ug/l	100
68) m/p-Xylenes	11.86	106	922325	100.942	ug/l	100
69) o-Xylene	12.18	106	409470	50.919	ug/l	100
70) Styrene	12.20	104	733324	51.638	ug/l	100
71) Bromoform	12.37	173	138317	48.779	ug/l	# 100
73) Isopropylbenzene	12.48	105	1120544	48.749	ug/l	100
74) N-amyl acetate	12.30	43	220279	46.755	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	183437	45.170	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	144497m	50.945	ug/l	
77) Bromobenzene	12.77	156	279136	48.383	ug/l	100
78) n-propylbenzene	12.83	91	1348813	49.281	ug/l	100
79) 2-Chlorotoluene	12.91	91	746058	48.264	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	928458	49.091	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	61313	46.605	ug/l	100
82) 4-Chlorotoluene	13.01	91	781031	48.124	ug/l	100
83) tert-Butylbenzene	13.23	119	780033	48.642	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	932930	49.915	ug/l	100
85) sec-Butylbenzene	13.41	105	1104030	48.426	ug/l	100
86) p-Isopropyltoluene	13.53	119	1027907	49.352	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	532220	47.965	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	526734	47.685	ug/l	100
89) n-Butylbenzene	13.86	91	923645	48.172	ug/l	100
90) Hexachloroethane	14.12	117	198317	46.198	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	449724	47.622	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28077	45.239	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	314129	48.994	ug/l	100
94) Hexachlorobutadiene	15.28	225	197634	47.210	ug/l	100
95) Naphthalene	15.41	128	502802	49.204	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	273252	49.333	ug/l	100

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

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