

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065063.D
 Acq On : 05 Feb 2020 14:36
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:14 AM

Quant Time: Feb 05 15:34:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	592136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	861289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	751979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	364285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	260153	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
35) Dibromofluoromethane	7.92	113	256132	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.34	98	1028533	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.64	95	324417	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	256434	56.229	ug/l	100
3) Chloromethane	2.21	50	282827	44.055	ug/l	100
4) Vinyl Chloride	2.35	62	312056	42.647	ug/l	100
5) Bromomethane	2.77	94	193719	39.553	ug/l	100
6) Chloroethane	2.93	64	193287	40.411	ug/l	100
7) Trichlorofluoromethane	3.27	101	458071	40.838	ug/l	100
8) Diethyl Ether	3.71	74	126143	48.342	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	279277	51.322	ug/l	100
10) Methyl Iodide	4.30	142	328504	56.664	ug/l	100
11) Tert butyl alcohol	5.24	59	70945	232.652	ug/l	100
12) 1,1-Dichloroethene	4.06	96	261603	50.398	ug/l	100
13) Acrolein	3.93	56	89127	228.839	ug/l	100
14) Allyl chloride	4.71	41	437472	52.590	ug/l	100
15) Acrylonitrile	5.43	53	272553	241.307	ug/l	100
16) Acetone	4.17	43	302640	253.281	ug/l	100
17) Carbon Disulfide	4.40	76	849752	49.906	ug/l	100
18) Methyl Acetate	4.73	43	123370	46.720	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	570546	49.695	ug/l	100
20) Methylene Chloride	4.97	84	284757	43.186	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	291696	49.099	ug/l	100
22) Diisopropyl ether	6.37	45	824717	50.316	ug/l	100
23) Vinyl Acetate	6.31	43	2330221	245.289	ug/l	100
24) 1,1-Dichloroethane	6.27	63	490713	48.801	ug/l	100
25) 2-Butanone	7.23	43	358807	237.590	ug/l	100
26) 2,2-Dichloropropane	7.21	77	458681	49.988	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	315168	49.571	ug/l	100
28) Bromochloromethane	7.55	49	183293	47.140	ug/l	100
29) Tetrahydrofuran	7.57	42	219508	234.626	ug/l	100
30) Chloroform	7.71	83	492469	47.560	ug/l	100
31) Cyclohexane	7.98	56	487902	48.970	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	463983	48.129	ug/l	100
36) 1,1-Dichloropropene	8.11	75	412859	49.792	ug/l	100
37) Ethyl Acetate	7.30	43	158464	46.439	ug/l	100
38) Carbon Tetrachloride	8.10	117	421082	48.396	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	519957	53.186	ug/l	100
40) Benzene	8.36	78	1123358	49.239	ug/l	100
41) Methacrylonitrile	7.53	41	90588	50.430	ug/l	100
42) 1,2-Dichloroethane	8.43	62	318665	47.248	ug/l	100
43) Isopropyl Acetate	8.46	43	312464	48.223	ug/l	100
44) Trichloroethene	9.11	130	322028	50.108	ug/l	100
45) 1,2-Dichloropropane	9.39	63	271030	48.883	ug/l	100
46) Dibromomethane	9.48	93	139753	46.534	ug/l	100
47) Bromodichloromethane	9.67	83	372169	47.602	ug/l	100
48) Methyl methacrylate	9.46	41	148904	49.939	ug/l	100
49) 1,4-Dioxane	9.47	88	32617	945.051	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	770902	239.258	ug/l	100
52) Toluene	10.41	92	730127	49.586	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	365453	49.049	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	435444	49.711	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	190863	47.227	ug/l	100
56) Ethyl methacrylate	10.67	69	248342	51.208	ug/l	100
57) 1,3-Dichloropropane	10.95	76	336933	48.515	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	474072	280.652	ug/l	100
59) 2-Hexanone	10.99	43	559968	251.096	ug/l	100
60) Dibromochloromethane	11.14	129	251097	46.629	ug/l	100
61) 1,2-Dibromoethane	11.26	107	186670	47.861	ug/l	100
64) Tetrachloroethene	10.88	164	277864	50.950	ug/l	100
65) Chlorobenzene	11.68	112	748582	48.913	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	280068	48.880	ug/l	100
67) Ethyl Benzene	11.75	91	1381941	50.943	ug/l	100
68) m/p-Xylenes	11.86	106	1064310	101.935	ug/l	100
69) o-Xylene	12.18	106	478212	51.484	ug/l	100
70) Styrene	12.20	104	835434	50.834	ug/l	100
71) Bromoform	12.37	173	145809	46.250	ug/l #	100
73) Isopropylbenzene	12.48	105	1307818	52.412	ug/l	100
74) N-amyl acetate	12.30	43	279073	50.276	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	197732	47.639	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	142734m	48.451	ug/l	
77) Bromobenzene	12.77	156	306190	50.296	ug/l	100
78) n-propylbenzene	12.83	91	1534394	51.753	ug/l	100
79) 2-Chlorotoluene	12.91	91	841611	51.653	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1057474	51.734	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	70592	49.976	ug/l	100
82) 4-Chlorotoluene	13.01	91	879057	50.922	ug/l	100
83) tert-Butylbenzene	13.23	119	902648	52.100	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	1050764	50.899	ug/l	100
85) sec-Butylbenzene	13.41	105	1276999	51.898	ug/l	100
86) p-Isopropyltoluene	13.53	119	1188214	51.845	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	571105	49.008	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	562491	48.641	ug/l	100
89) n-Butylbenzene	13.86	91	1096140	52.400	ug/l	100
90) Hexachloroethane	14.12	117	220337	49.969	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	489302	49.491	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	32123	48.056	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	353150	51.292	ug/l	100
94) Hexachlorobutadiene	15.28	225	217111	49.852	ug/l	100
95) Naphthalene	15.41	128	575292	51.991	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	293554	49.601	ug/l	100

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

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