

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067830.D
 Acq On : 01 Dec 2020 11:55
 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

MMDadoda
 12/2/2020 12:24:00 PM

Quant Time: Dec 02 04:03:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	245968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	313620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	133120	50.41	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.82%
35) Dibromofluoromethane	7.92	113	119376	51.15	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.30%
50) Toluene-d8	10.34	98	425996	50.71	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.42%
62) 4-Bromofluorobenzene	12.64	95	147492	50.78	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	107690	50.309	ug/l	100
3) Chloromethane	2.21	50	59239	47.952	ug/l	100
4) Vinyl Chloride	2.35	62	74249	47.722	ug/l	100
5) Bromomethane	2.77	94	64039	46.107	ug/l	100
6) Chloroethane	2.93	64	50288	49.643	ug/l	100
7) Trichlorofluoromethane	3.27	101	223363	46.916	ug/l	100
8) Diethyl Ether	3.71	74	43428	46.800	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	104209	48.001	ug/l	100
10) Methyl Iodide	4.30	142	119182	51.793	ug/l	100
11) Tert butyl alcohol	5.20	59	32804m	160.499	ug/l	
12) 1,1-Dichloroethene	4.07	96	97775	47.971	ug/l	100
13) Acrolein	3.92	56	25675	280.355	ug/l	100
14) Allyl chloride	4.71	41	93622	49.652	ug/l	100
15) Acrylonitrile	5.43	53	80654	250.667	ug/l	100
16) Acetone	4.16	43	89373	276.873	ug/l	100
17) Carbon Disulfide	4.41	76	271026	47.627	ug/l	100
18) Methyl Acetate	4.71	43	30596	46.097	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	223349	51.175	ug/l	100
20) Methylene Chloride	4.96	84	106439	42.947	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	112479	48.496	ug/l	100
22) Diisopropyl ether	6.36	45	190411	50.209	ug/l	100
23) Vinyl Acetate	6.31	43	566054	268.305	ug/l	100
24) 1,1-Dichloroethane	6.27	63	164980	49.628	ug/l	100
25) 2-Butanone	7.21	43	89590	261.045	ug/l	100
26) 2,2-Dichloropropane	7.21	77	189547	47.815	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	124784	49.189	ug/l	100
28) Bromochloromethane	7.56	49	49779	47.163	ug/l	100
29) Tetrahydrofuran	7.56	42	50891	283.275	ug/l	100
30) Chloroform	7.71	83	214035	48.177	ug/l	100
31) Cyclohexane	7.99	56	125739	45.197	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	223144	47.582	ug/l	100
36) 1,1-Dichloropropene	8.11	75	149831	49.624	ug/l	100
37) Ethyl Acetate	7.30	43	40364	57.252	ug/l	100
38) Carbon Tetrachloride	8.10	117	220658	48.302	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177349	49.566	ug/l	100
40) Benzene	8.36	78	405500	49.082	ug/l	100
41) Methacrylonitrile	7.53	41	22813	57.660	ug/l	100
42) 1,2-Dichloroethane	8.43	62	149139	50.650	ug/l	100
43) Isopropyl Acetate	8.46	43	81906	51.155	ug/l	100
44) Trichloroethene	9.11	130	137991	48.580	ug/l	100
45) 1,2-Dichloropropane	9.39	63	81834	48.261	ug/l	100
46) Dibromomethane	9.48	93	59109	50.137	ug/l	100
47) Bromodichloromethane	9.67	83	162110	48.232	ug/l	100
48) Methyl methacrylate	9.46	41	40634	49.978	ug/l	100
49) 1,4-Dioxane	9.47	88	13165	977.261	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	195137	257.504	ug/l	100
52) Toluene	10.41	92	286255	49.558	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	145274	50.078	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	156842	49.705	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	76444	47.380	ug/l	100
56) Ethyl methacrylate	10.66	69	84701	51.598	ug/l	100
57) 1,3-Dichloropropane	10.95	76	122102	47.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	206569	276.544	ug/l	100
59) 2-Hexanone	10.99	43	142608	266.952	ug/l	100
60) Dibromochloromethane	11.14	129	116975	48.097	ug/l	100
61) 1,2-Dibromoethane	11.25	107	75979	47.888	ug/l	100
64) Tetrachloroethene	10.88	164	119299	46.635	ug/l	100
65) Chlorobenzene	11.67	112	313651	48.469	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	127211	48.197	ug/l	100
67) Ethyl Benzene	11.75	91	544170	49.364	ug/l	100
68) m/p-Xylenes	11.86	106	426615	98.146	ug/l	100
69) o-Xylene	12.18	106	193943	50.259	ug/l	100
70) Styrene	12.20	104	338926	50.510	ug/l	100
71) Bromoform	12.37	173	71990	51.527	ug/l	100
73) Isopropylbenzene	12.48	105	552076	49.788	ug/l	100
74) N-amyl acetate	12.29	43	70256	51.222	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	72055	49.219	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	55015m	45.880	ug/l	
77) Bromobenzene	12.76	156	138554	50.261	ug/l	100
78) n-propylbenzene	12.83	91	617319	50.229	ug/l	100
79) 2-Chlorotoluene	12.91	91	359591	49.735	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	484539	50.470	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	24263	49.428	ug/l	100
82) 4-Chlorotoluene	13.01	91	380388	49.321	ug/l	100
83) tert-Butylbenzene	13.23	119	426330	52.184	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	487015	51.014	ug/l	100
85) sec-Butylbenzene	13.41	105	539839	49.508	ug/l	100
86) p-Isopropyltoluene	13.52	119	536059	50.161	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	254147	47.793	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	250917	47.165	ug/l	100
89) n-Butylbenzene	13.84	91	452592	50.976	ug/l	100
90) Hexachloroethane	14.11	117	93590	47.435	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	226461	49.102	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14927	48.857	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	163159	50.575	ug/l	100
94) Hexachlorobutadiene	15.27	225	104501	49.641	ug/l	100
95) Naphthalene	15.40	128	276343	52.641	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	141998	50.968	ug/l	100

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

