

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065611.D
 Acq On : 09 Apr 2020 13:27
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:58 PM

Quant Time: Apr 10 01:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	472752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	651968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	622160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	625630	139.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.86%	
35) Dibromofluoromethane	7.92	113	661264	145.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.36%	
50) Toluene-d8	10.34	98	2530334	152.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.26%	
62) 4-Bromofluorobenzene	12.64	95	829793	155.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	592044	138.880	ug/l	99
3) Chloromethane	2.21	50	690524	130.258	ug/l	99
4) Vinyl Chloride	2.35	62	671964	135.574	ug/l	99
5) Bromomethane	2.75	94	487147	139.362	ug/l	100
6) Chloroethane	2.91	64	412173	135.034	ug/l	99
7) Trichlorofluoromethane	3.27	101	997842	132.733	ug/l	94
8) Diethyl Ether	3.71	74	206089	132.685	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	428239	87.141	ug/l	98
10) Methyl Iodide	4.29	142	556932	115.165	ug/l	97
11) Tert butyl alcohol	5.25	59	167128	733.877	ug/l #	73
12) 1,1-Dichloroethene	4.06	96	400822	88.432	ug/l	98
13) Acrolein	3.93	56	144648	461.681	ug/l	97
14) Allyl chloride	4.71	41	901340	134.059	ug/l	95
15) Acrylonitrile	5.43	53	724980	791.510	ug/l	99
16) Acetone	4.17	43	364026	450.880	ug/l	98
17) Carbon Disulfide	4.40	76	1326284	87.943	ug/l	100
18) Methyl Acetate	4.72	43	336701	142.080	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	1463314	167.000	ug/l	97
20) Methylene Chloride	4.96	84	699991	131.158	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	755201	146.806	ug/l	94
22) Diisopropyl ether	6.37	45	2076663	160.687	ug/l	100
23) Vinyl Acetate	6.31	43	5903663	889.003	ug/l	99
24) 1,1-Dichloroethane	6.27	63	1223596	142.312	ug/l	99
25) 2-Butanone	7.22	43	864234	782.056	ug/l	99
26) 2,2-Dichloropropane	7.21	77	1064557	138.353	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	815825	154.958	ug/l	98
28) Bromochloromethane	7.55	49	487545	141.281	ug/l	99
29) Tetrahydrofuran	7.57	42	570813	821.984	ug/l	100
30) Chloroform	7.71	83	1267554	140.795	ug/l	100
31) Cyclohexane	7.98	56	1119564	140.368	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	1139314	140.032	ug/l	99
36) 1,1-Dichloropropene	8.11	75	996439	148.451	ug/l	99
37) Ethyl Acetate	7.30	43	399331	160.230	ug/l	99
38) Carbon Tetrachloride	8.10	117	1054845	144.730	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1266080	166.625	ug/l	99
40) Benzene	8.36	78	2889891	150.690	ug/l	100
41) Methacrylonitrile	7.53	41	200221	137.440	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	787229	146.962	ug/l	100
43) Isopropyl Acetate	8.46	43	763072	167.818	ug/l	98
44) Trichloroethene	9.11	130	815273	147.914	ug/l	96
45) 1,2-Dichloropropane	9.39	63	700944	150.102	ug/l	99
46) Dibromomethane	9.48	93	378029	150.605	ug/l	99
47) Bromodichloromethane	9.67	83	994305	151.059	ug/l	99
48) Methyl methacrylate	9.46	41	370148	175.517	ug/l	99
49) 1,4-Dioxane	9.47	88	85294	3208.543	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	1964857	838.516	ug/l	99
52) Toluene	10.41	92	1885318	155.482	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	962587	164.763	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	1157117	161.761	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	523973	148.754	ug/l	96
56) Ethyl methacrylate	10.67	69	656592	184.821	ug/l	100
57) 1,3-Dichloropropane	10.96	76	906271	155.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	1615509	865.928	ug/l	99
59) 2-Hexanone	10.99	43	1345346	863.905	ug/l	98
60) Dibromochloromethane	11.14	129	711365	151.637	ug/l	98
61) 1,2-Dibromoethane	11.25	107	519333	155.102	ug/l	99
64) Tetrachloroethene	10.88	164	701641	141.782	ug/l	98
65) Chlorobenzene	11.68	112	1997961	148.281	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	768584	149.736	ug/l	100
67) Ethyl Benzene	11.75	91	3544434	159.302	ug/l	99
68) m/p-Xylenes	11.86	106	2774403	316.060	ug/l	99
69) o-Xylene	12.19	106	1271723	168.126	ug/l	98
70) Styrene	12.20	104	2237523	167.317	ug/l	100
71) Bromoform	12.37	173	425498	147.807	ug/l #	100
73) Isopropylbenzene	12.48	105	3352118	165.910	ug/l	99
74) N-amyl acetate	12.30	43	713100	178.216	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	548282	147.624	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	389201m	91.352	ug/l	
77) Bromobenzene	12.77	156	852548	153.915	ug/l	98
78) n-propylbenzene	12.83	91	3879408	159.095	ug/l	99
79) 2-Chlorotoluene	12.91	91	2195857	157.129	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2761341	162.156	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	190799	173.782	ug/l	98
82) 4-Chlorotoluene	13.01	91	2295186	152.589	ug/l	100
83) tert-Butylbenzene	13.23	119	2450969	172.127	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	2779214	164.233	ug/l	99
85) sec-Butylbenzene	13.41	105	3264986	161.141	ug/l	100
86) p-Isopropyltoluene	13.53	119	3108132	166.228	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1583893	148.282	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	1537579	144.119	ug/l	100
89) n-Butylbenzene	13.86	91	2755733	163.309	ug/l	99
90) Hexachloroethane	14.13	117	588025	144.163	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	1354017	149.001	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	84847	148.102	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	985399	165.085	ug/l	99
94) Hexachlorobutadiene	15.28	225	612643	147.660	ug/l	100
95) Naphthalene	15.41	128	1659822	191.917	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	863598	167.142	ug/l	99

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

