

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
 Data File : VD064864.D
 Acq On : 17 Jan 2020 15:44
 Operator : VA/SY
 Sample : VD0117SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:14:29 AM

Quant Time: Jan 17 23:39:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	359500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	516453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	454147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	167711	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	7.92	113	168754	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
50) Toluene-d8	10.34	98	629970	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.64	95	201054	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58029	20.770	ug/l	99
3) Chloromethane	2.21	50	88435	22.633	ug/l	99
4) Vinyl Chloride	2.35	62	103208	21.664	ug/l	94
5) Bromomethane	2.76	94	71930	20.765	ug/l	95
6) Chloroethane	2.92	64	69986	21.924	ug/l	99
7) Trichlorofluoromethane	3.27	101	171870	21.426	ug/l	97
8) Diethyl Ether	3.70	74	35733	22.432	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81062	24.401	ug/l	98
10) Methyl Iodide	4.30	142	73772	20.673	ug/l	97
11) Tert butyl alcohol	5.24	59	22274	122.603	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	72830	23.027	ug/l	97
13) Acrolein	3.93	56	19135	75.575	ug/l	91
14) Allyl chloride	4.71	41	117717	23.872	ug/l	98
15) Acrylonitrile	5.43	53	77349	116.575	ug/l	99
16) Acetone	4.16	43	79071	113.343	ug/l	98
17) Carbon Disulfide	4.40	76	217119	21.230	ug/l	98
18) Methyl Acetate	4.73	43	43136	24.170	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	161828	23.036	ug/l	92
20) Methylene Chloride	4.96	84	96555	27.591	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	83229	23.106	ug/l	98
22) Diisopropyl ether	6.37	45	236567	24.052	ug/l	96
23) Vinyl Acetate	6.31	43	653389	117.106	ug/l	99
24) 1,1-Dichloroethane	6.27	63	144609	24.490	ug/l	97
25) 2-Butanone	7.23	43	105133	120.653	ug/l	95
26) 2,2-Dichloropropane	7.21	77	129761	23.636	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	90716	23.336	ug/l	98
28) Bromochloromethane	7.55	49	50652	22.067	ug/l	94
29) Tetrahydrofuran	7.57	42	64141	118.367	ug/l	97
30) Chloroform	7.71	83	151155	24.399	ug/l	97
31) Cyclohexane	7.99	56	131144	22.188	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	140163	24.088	ug/l	100
36) 1,1-Dichloropropene	8.11	75	115821	23.300	ug/l	99
37) Ethyl Acetate	7.30	43	45883	23.496	ug/l	98
38) Carbon Tetrachloride	8.10	117	126744	23.912	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	138184	22.952	ug/l	99
40) Benzene	8.36	78	321750	23.711	ug/l	99
41) Methacrylonitrile	7.53	41	24854	21.936	ug/l	90
42) 1,2-Dichloroethane	8.43	62	98193	25.041	ug/l	97
43) Isopropyl Acetate	8.46	43	86916	22.361	ug/l	96
44) Trichloroethene	9.11	130	92962	23.320	ug/l	98
45) 1,2-Dichloropropane	9.39	63	79283	24.470	ug/l	99
46) Dibromomethane	9.48	93	43272	23.955	ug/l	99
47) Bromodichloromethane	9.67	83	114931	23.910	ug/l	94
48) Methyl methacrylate	9.46	41	41897	22.892	ug/l	95
49) 1,4-Dioxane	9.47	88	9128	438.234	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	222653	115.892	ug/l	98
52) Toluene	10.41	92	212621	23.882	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	106716	23.813	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	128608	24.338	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	57882	23.776	ug/l	94
56) Ethyl methacrylate	10.67	69	69115	22.733	ug/l	97
57) 1,3-Dichloropropane	10.95	76	100462	23.967	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	146476	126.455	ug/l	99
59) 2-Hexanone	10.99	43	153866	117.999	ug/l	97
60) Dibromochloromethane	11.14	129	80204	23.824	ug/l	98
61) 1,2-Dibromoethane	11.25	107	57089	23.776	ug/l	98
64) Tetrachloroethene	10.88	164	80163	23.008	ug/l	95
65) Chlorobenzene	11.67	112	224669	23.836	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	83232	23.423	ug/l	98
67) Ethyl Benzene	11.75	91	397524	23.236	ug/l	98
68) m/p-Xylenes	11.86	106	302253	45.772	ug/l	96
69) o-Xylene	12.18	106	137279	23.016	ug/l	99
70) Styrene	12.20	104	243235	23.233	ug/l	99
71) Bromoform	12.37	173	47187	23.286	ug/l	# 97
73) Isopropylbenzene	12.48	105	371634	22.896	ug/l	99
74) N-amyl acetate	12.30	43	77380	22.301	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	61760	24.221	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	39778m	22.178	ug/l	
77) Bromobenzene	12.77	156	91181	22.862	ug/l	99
78) n-propylbenzene	12.83	91	447453	23.630	ug/l	100
79) 2-Chlorotoluene	12.91	91	249975	24.031	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	312186	23.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	19141	22.320	ug/l	94
82) 4-Chlorotoluene	13.01	91	260093	23.495	ug/l	99
83) tert-Butylbenzene	13.23	119	269106	23.245	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	308019	23.196	ug/l	98
85) sec-Butylbenzene	13.41	105	380774	23.992	ug/l	98
86) p-Isopropyltoluene	13.53	119	345084	22.739	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	173343	22.799	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	176873	23.681	ug/l	97
89) n-Butylbenzene	13.85	91	320041	23.418	ug/l	98
90) Hexachloroethane	14.12	117	68644	23.679	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	148358	22.883	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9316	22.537	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106386	22.286	ug/l	98
94) Hexachlorobutadiene	15.28	225	67739	22.550	ug/l	98
95) Naphthalene	15.41	128	161109	21.333	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	91630	22.484	ug/l	97

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

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