

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065195.D
 Acq On : 17 Feb 2020 14:33
 Operator : VA/SY
 Sample : VD0217SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 10:58:20 AM

Quant Time: Feb 18 03:35:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	434607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	660471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207932	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
35) Dibromofluoromethane	7.92	113	212631	57.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.40%	
50) Toluene-d8	10.34	98	829986	56.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.18%	
62) 4-Bromofluorobenzene	12.64	95	269214	57.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72109	19.938	ug/l	100
3) Chloromethane	2.21	50	96711	22.716	ug/l	96
4) Vinyl Chloride	2.35	62	95633	21.240	ug/l	94
5) Bromomethane	2.77	94	57704	19.766	ug/l	97
6) Chloroethane	2.92	64	60038	21.496	ug/l	100
7) Trichlorofluoromethane	3.27	101	137459	20.978	ug/l	100
8) Diethyl Ether	3.71	74	44113	23.451	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88250	22.031	ug/l	99
10) Methyl Iodide	4.30	142	85703	18.745	ug/l	98
11) Tert butyl alcohol	5.25	59	25403	112.559	ug/l	98
12) 1,1-Dichloroethene	4.06	96	81322	21.198	ug/l	96
13) Acrolein	3.93	56	22149	79.791	ug/l	97
14) Allyl chloride	4.71	41	138698	21.753	ug/l	97
15) Acrylonitrile	5.44	53	96745	117.640	ug/l	100
16) Acetone	4.17	43	88142	95.442	ug/l	90
17) Carbon Disulfide	4.40	76	262465	21.308	ug/l	99
18) Methyl Acetate	4.72	43	52655	27.290	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	180139	21.234	ug/l	100
20) Methylene Chloride	4.97	84	107498	24.420	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	97264	22.409	ug/l	98
22) Diisopropyl ether	6.37	45	284866	23.686	ug/l	97
23) Vinyl Acetate	6.31	43	738464	110.163	ug/l	100
24) 1,1-Dichloroethane	6.27	63	166209	22.833	ug/l	98
25) 2-Butanone	7.23	43	122473	111.176	ug/l	99
26) 2,2-Dichloropropane	7.21	77	144632	22.167	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103618	22.471	ug/l	98
28) Bromochloromethane	7.55	49	59386	21.521	ug/l	100
29) Tetrahydrofuran	7.57	42	74228	111.423	ug/l	97
30) Chloroform	7.71	83	176162	24.304	ug/l	97
31) Cyclohexane	7.98	56	151079	20.560	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	151578	22.450	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132882	21.637	ug/l	98
37) Ethyl Acetate	7.30	43	52599	20.964	ug/l	95
38) Carbon Tetrachloride	8.10	117	132461	21.118	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148575	19.600	ug/l	98
40) Benzene	8.36	78	378865	22.340	ug/l	98
41) Methacrylonitrile	7.54	41	35155	25.433	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	109276	22.614	ug/l	98
43) Isopropyl Acetate	8.46	43	104592	21.792	ug/l	98
44) Trichloroethene	9.11	130	105694	21.712	ug/l	97
45) 1,2-Dichloropropane	9.39	63	93963	23.108	ug/l	96
46) Dibromomethane	9.48	93	49701	23.261	ug/l	97
47) Bromodichloromethane	9.67	83	132410	23.519	ug/l	99
48) Methyl methacrylate	9.46	41	48253	20.893	ug/l	97
49) 1,4-Dioxane	9.48	88	12167	480.769	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	265807	112.516	ug/l	98
52) Toluene	10.41	92	245064	22.641	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	122646	22.375	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	144446	22.033	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	69878	23.843	ug/l	97
56) Ethyl methacrylate	10.67	69	82599	22.275	ug/l	95
57) 1,3-Dichloropropane	10.95	76	120571	23.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	125133	92.464	ug/l	98
59) 2-Hexanone	10.99	43	185276	110.723	ug/l	99
60) Dibromochloromethane	11.14	129	90672	23.886	ug/l	98
61) 1,2-Dibromoethane	11.25	107	66402	23.188	ug/l	99
64) Tetrachloroethene	10.88	164	92186	21.317	ug/l	97
65) Chlorobenzene	11.68	112	264590	22.730	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	96427	22.445	ug/l	98
67) Ethyl Benzene	11.75	91	446128	21.095	ug/l	98
68) m/p-Xylenes	11.86	106	349801	43.337	ug/l	99
69) o-Xylene	12.18	106	150409	20.693	ug/l	96
70) Styrene	12.20	104	277898	21.997	ug/l	99
71) Bromoform	12.37	173	52263	22.601	ug/l #	98
73) Isopropylbenzene	12.48	105	421562	20.179	ug/l	100
74) N-amyl acetate	12.30	43	93062	20.495	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	77143	23.463	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	52966m	22.985	ug/l	
77) Bromobenzene	12.77	156	106336	21.127	ug/l	99
78) n-propylbenzene	12.83	91	512564	20.951	ug/l	99
79) 2-Chlorotoluene	12.91	91	286065	20.977	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	351158	20.547	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25427	22.067	ug/l	93
82) 4-Chlorotoluene	13.01	91	306401	21.393	ug/l	100
83) tert-Butylbenzene	13.23	119	288002	19.532	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	361326	21.295	ug/l	98
85) sec-Butylbenzene	13.41	105	414053	20.560	ug/l	99
86) p-Isopropyltoluene	13.53	119	386374	20.649	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	203527	21.597	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	200646	21.392	ug/l	99
89) n-Butylbenzene	13.86	91	352930	20.436	ug/l	99
90) Hexachloroethane	14.12	117	76922	21.710	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	173407	21.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11937	22.240	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116682	20.225	ug/l	99
94) Hexachlorobutadiene	15.28	225	73019	20.584	ug/l	100
95) Naphthalene	15.41	128	189482	19.760	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	104211	21.118	ug/l	99

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

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