

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065006.D
 Acq On : 30 Jan 2020 11:55
 Operator : VA/SY
 Sample : VD0130SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:25:42 PM

Quant Time: Jan 30 12:39:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	466042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	693929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	616977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298456	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	229005	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	7.92	113	221035	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	862467	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.64	95	269606	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71372	20.328	ug/l	97
3) Chloromethane	2.21	50	102792	19.976	ug/l	95
4) Vinyl Chloride	2.35	62	120719	20.426	ug/l	98
5) Bromomethane	2.76	94	84826	21.337	ug/l	92
6) Chloroethane	2.93	64	77743	19.953	ug/l	94
7) Trichlorofluoromethane	3.27	101	185216	20.292	ug/l	100
8) Diethyl Ether	3.71	74	42268	20.513	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90555	21.325	ug/l	99
10) Methyl Iodide	4.30	142	93263	20.690	ug/l	97
11) Tert butyl alcohol	5.24	59	24938	100.949	ug/l	99
12) 1,1-Dichloroethene	4.06	96	86196	21.247	ug/l	82
13) Acrolein	3.93	56	24675	79.678	ug/l	95
14) Allyl chloride	4.71	41	136320	21.069	ug/l	99
15) Acrylonitrile	5.44	53	92485	103.649	ug/l	98
16) Acetone	4.17	43	91359	86.203	ug/l	95
17) Carbon Disulfide	4.40	76	278656	20.871	ug/l	100
18) Methyl Acetate	4.73	43	46697	22.304	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	187807	20.719	ug/l	97
20) Methylene Chloride	4.97	84	103535	19.975	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	98876	21.155	ug/l	97
22) Diisopropyl ether	6.37	45	278649	21.610	ug/l	97
23) Vinyl Acetate	6.31	43	753923	99.862	ug/l	99
24) 1,1-Dichloroethane	6.27	63	170379	21.520	ug/l	97
25) 2-Butanone	7.23	43	119950	99.319	ug/l	95
26) 2,2-Dichloropropane	7.21	77	156184	21.749	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	106495	21.347	ug/l	99
28) Bromochloromethane	7.55	49	55256	17.452	ug/l	98
29) Tetrahydrofuran	7.57	42	75162	100.865	ug/l	98
30) Chloroform	7.71	83	173559	21.207	ug/l	99
31) Cyclohexane	7.98	56	158302	20.326	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	162130	21.295	ug/l	99
36) 1,1-Dichloropropene	8.11	75	140389	20.980	ug/l	99
37) Ethyl Acetate	7.30	43	53507	19.359	ug/l	99
38) Carbon Tetrachloride	8.10	117	144886	20.486	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153968	19.681	ug/l	98
40) Benzene	8.36	78	384158	20.845	ug/l	99
41) Methacrylonitrile	7.53	41	31134	20.910	ug/l	95
42) 1,2-Dichloroethane	8.43	62	112911	20.568	ug/l	99
43) Isopropyl Acetate	8.46	43	102590	19.540	ug/l	99
44) Trichloroethene	9.11	130	106220	20.594	ug/l	98
45) 1,2-Dichloropropane	9.39	63	94444	21.139	ug/l	94
46) Dibromomethane	9.48	93	49480	20.286	ug/l	99
47) Bromodichloromethane	9.67	83	134899	21.254	ug/l	100
48) Methyl methacrylate	9.46	41	50636	20.958	ug/l	97
49) 1,4-Dioxane	9.46	88	11650	411.824	ug/l #	95
51) 4-Methyl-2-Pentanone	10.23	43	257387	97.977	ug/l	98
52) Toluene	10.41	92	245202	20.637	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	126254	20.883	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	145737	20.589	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	64811	19.726	ug/l	96
56) Ethyl methacrylate	10.67	69	79108	20.135	ug/l	98
57) 1,3-Dichloropropane	10.95	76	117975	20.935	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	125229	95.940	ug/l	100
59) 2-Hexanone	10.99	43	177951	98.205	ug/l	99
60) Dibromochloromethane	11.14	129	88752	20.211	ug/l	97
61) 1,2-Dibromoethane	11.25	107	63532	20.082	ug/l	100
64) Tetrachloroethene	10.88	164	93389	20.946	ug/l	97
65) Chlorobenzene	11.67	112	256606	20.484	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96823	20.552	ug/l	99
67) Ethyl Benzene	11.75	91	455897	20.499	ug/l	97
68) m/p-Xylenes	11.86	106	351532	41.054	ug/l	99
69) o-Xylene	12.18	106	154793	20.369	ug/l	100
70) Styrene	12.20	104	276871	20.452	ug/l	98
71) Bromoform	12.37	173	52652	20.105	ug/l	99
73) Isopropylbenzene	12.48	105	426498	20.908	ug/l	100
74) N-amyl acetate	12.30	43	90052	19.728	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70317	20.509	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	58296m	23.533	ug/l	
77) Bromobenzene	12.77	156	104127	20.862	ug/l	99
78) n-propylbenzene	12.83	91	512390	21.121	ug/l	99
79) 2-Chlorotoluene	12.91	91	280956	21.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	349717	20.920	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	21959	18.928	ug/l	94
82) 4-Chlorotoluene	13.01	91	295281	20.922	ug/l	100
83) tert-Butylbenzene	13.23	119	293943	20.720	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	355140	20.971	ug/l	100
85) sec-Butylbenzene	13.41	105	415021	20.661	ug/l	98
86) p-Isopropyltoluene	13.53	119	384566	20.460	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	196929	20.564	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	201180	21.166	ug/l	100
89) n-Butylbenzene	13.86	91	355800	20.742	ug/l	100
90) Hexachloroethane	14.12	117	74247	20.483	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	166748	20.510	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10792	19.669	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113818	20.236	ug/l	98
94) Hexachlorobutadiene	15.28	225	70338	19.771	ug/l	98
95) Naphthalene	15.41	128	178297	19.642	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	100273	20.561	ug/l	98

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

