

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013120\
 Data File : VD065026.D
 Acq On : 31 Jan 2020 11:33
 Operator : VA/SY
 Sample : VD0131SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:52:23 AM

Quant Time: Jan 31 13:11:26 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	475313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	712252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295197	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	213960	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	7.92	113	217586	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	10.34	98	850171	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.64	95	252607	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75827	21.176	ug/l	98
3) Chloromethane	2.21	50	103788	19.776	ug/l	94
4) Vinyl Chloride	2.35	62	118451	19.651	ug/l	97
5) Bromomethane	2.76	94	80750	19.915	ug/l	96
6) Chloroethane	2.92	64	78059	19.643	ug/l	98
7) Trichlorofluoromethane	3.27	101	190925	20.509	ug/l	99
8) Diethyl Ether	3.71	74	39155	18.632	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	92052	21.254	ug/l	97
10) Methyl Iodide	4.29	142	83823	18.233	ug/l	99
11) Tert butyl alcohol	5.25	59	21219m	84.219	ug/l	
12) 1,1-Dichloroethene	4.06	96	86836	20.988	ug/l	90
13) Acrolein	3.92	56	22728	71.959	ug/l	97
14) Allyl chloride	4.71	41	136637	20.706	ug/l	98
15) Acrylonitrile	5.43	53	84951	93.348	ug/l	100
16) Acetone	4.16	43	86979	81.153	ug/l	96
17) Carbon Disulfide	4.40	76	273545	20.088	ug/l	98
18) Methyl Acetate	4.72	43	41461	19.417	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	167543	18.123	ug/l	99
20) Methylene Chloride	4.96	84	103398	19.406	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	98128	20.585	ug/l	99
22) Diisopropyl ether	6.37	45	266424	20.259	ug/l	96
23) Vinyl Acetate	6.31	43	689291	89.521	ug/l	100
24) 1,1-Dichloroethane	6.27	63	166755	20.652	ug/l	97
25) 2-Butanone	7.23	43	107637	87.385	ug/l	93
26) 2,2-Dichloropropane	7.21	77	152405	20.809	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	101864	20.021	ug/l	97
28) Bromochloromethane	7.55	49	52096	16.133	ug/l	100
29) Tetrahydrofuran	7.57	42	65544	86.243	ug/l	97
30) Chloroform	7.71	83	170409	20.416	ug/l	95
31) Cyclohexane	7.98	56	160312	20.182	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	160584	20.680	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139767	20.350	ug/l	99
37) Ethyl Acetate	7.30	43	50299	17.730	ug/l	97
38) Carbon Tetrachloride	8.10	117	149255	20.561	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157285	19.588	ug/l	96
40) Benzene	8.35	78	372434	19.689	ug/l	98
41) Methacrylonitrile	7.53	41	26848	17.568	ug/l	92
42) 1,2-Dichloroethane	8.43	62	104297	18.510	ug/l	96
43) Isopropyl Acetate	8.46	43	92513	17.167	ug/l	96
44) Trichloroethene	9.11	130	107068	20.225	ug/l	94
45) 1,2-Dichloropropane	9.39	63	90964	19.837	ug/l	97
46) Dibromomethane	9.48	93	47176	18.844	ug/l	97
47) Bromodichloromethane	9.67	83	129991	19.954	ug/l	99
48) Methyl methacrylate	9.46	41	43936	17.717	ug/l	96
49) 1,4-Dioxane	9.47	88	9529	328.181	ug/l #	79
51) 4-Methyl-2-Pentanone	10.23	43	232275	86.143	ug/l	98
52) Toluene	10.41	92	241558	19.807	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	115430	18.602	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	140725	19.369	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	63115	18.716	ug/l	94
56) Ethyl methacrylate	10.67	69	70394	17.456	ug/l	97
57) 1,3-Dichloropropane	10.95	76	109414	18.917	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	113701	84.868	ug/l	97
59) 2-Hexanone	10.99	43	158722	85.340	ug/l	99
60) Dibromochloromethane	11.14	129	85962	19.072	ug/l	100
61) 1,2-Dibromoethane	11.25	107	61171	18.838	ug/l	97
64) Tetrachloroethene	10.88	164	93116	20.991	ug/l	96
65) Chlorobenzene	11.67	112	252471	20.257	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	92426	19.718	ug/l	99
67) Ethyl Benzene	11.75	91	454931	20.560	ug/l	99
68) m/p-Xylenes	11.86	106	346777	40.704	ug/l	98
69) o-Xylene	12.19	106	151019	19.973	ug/l	99
70) Styrene	12.20	104	269685	20.023	ug/l	100
71) Bromoform	12.37	173	48725	18.700	ug/l #	100
73) Isopropylbenzene	12.48	105	423885	21.009	ug/l	100
74) N-amyl acetate	12.30	43	80859	17.910	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	65676	19.367	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	53650m	21.896	ug/l	
77) Bromobenzene	12.77	156	99934	20.243	ug/l	99
78) n-propylbenzene	12.83	91	511715	21.326	ug/l	99
79) 2-Chlorotoluene	12.91	91	273151	20.751	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	350791	21.216	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21820	19.015	ug/l	99
82) 4-Chlorotoluene	13.01	91	288357	20.657	ug/l	99
83) tert-Butylbenzene	13.23	119	283460	20.202	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	350154	20.905	ug/l	99
85) sec-Butylbenzene	13.41	105	416151	20.946	ug/l	98
86) p-Isopropyltoluene	13.53	119	384849	20.701	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	189686	20.026	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	192542	20.481	ug/l	99
89) n-Butylbenzene	13.85	91	355174	20.934	ug/l	99
90) Hexachloroethane	14.12	117	75396	21.030	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	161407	20.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9242	17.030	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110448	19.853	ug/l	100
94) Hexachlorobutadiene	15.28	225	69847	19.850	ug/l	99
95) Naphthalene	15.41	128	158009	17.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	93637	19.413	ug/l	99

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

