

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030220\
 Data File : VD065371.D
 Acq On : 02 Mar 2020 11:19
 Operator : VA/SY
 Sample : VD0302SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 11:12:02 AM

Quant Time: Mar 02 13:11:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	456974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	671555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	608882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207556	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	7.92	113	225513	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
50) Toluene-d8	10.34	98	886188	56.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.22%	
62) 4-Bromofluorobenzene	12.64	95	282000	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	70913	18.502	ug/l	99
3) Chloromethane	2.21	50	90494	18.550	ug/l	95
4) Vinyl Chloride	2.36	62	92484	18.643	ug/l	97
5) Bromomethane	2.77	94	57805	19.272	ug/l	88
6) Chloroethane	2.93	64	58140	19.200	ug/l	98
7) Trichlorofluoromethane	3.27	101	149032	20.984	ug/l	98
8) Diethyl Ether	3.70	74	41980	19.582	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93958	20.949	ug/l	97
10) Methyl Iodide	4.30	142	86423	18.558	ug/l	99
11) Tert butyl alcohol	5.25	59	26469	107.748	ug/l	95
12) 1,1-Dichloroethene	4.06	96	85750	20.239	ug/l	99
13) Acrolein	3.92	56	30075	80.062	ug/l	98
14) Allyl chloride	4.71	41	133611	19.420	ug/l	98
15) Acrylonitrile	5.43	53	89457	94.249	ug/l	99
16) Acetone	4.17	43	85255	84.837	ug/l	98
17) Carbon Disulfide	4.40	76	272090	19.155	ug/l	97
18) Methyl Acetate	4.72	43	47363	20.956	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	168520	19.074	ug/l	98
20) Methylene Chloride	4.97	84	107204	21.319	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97722	20.289	ug/l	99
22) Diisopropyl ether	6.37	45	269784	20.340	ug/l	98
23) Vinyl Acetate	6.31	43	668187	91.381	ug/l	99
24) 1,1-Dichloroethane	6.26	63	169248	20.573	ug/l	97
25) 2-Butanone	7.22	43	110790	87.137	ug/l	99
26) 2,2-Dichloropropane	7.21	77	144525	20.247	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102870	20.163	ug/l	98
28) Bromochloromethane	7.55	49	57619	18.878	ug/l	99
29) Tetrahydrofuran	7.57	42	69789	93.680	ug/l	100
30) Chloroform	7.71	83	168701	20.354	ug/l	100
31) Cyclohexane	7.98	56	155017	19.178	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	156419	21.093	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136426	20.878	ug/l	99
37) Ethyl Acetate	7.30	43	50737	18.574	ug/l	98
38) Carbon Tetrachloride	8.10	117	142281	21.390	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	158852	20.679	ug/l	98
40) Benzene	8.36	78	386081	20.933	ug/l	98
41) Methacrylonitrile	7.53	41	27167	17.225	ug/l	96
42) 1,2-Dichloroethane	8.43	62	102744	20.263	ug/l	100
43) Isopropyl Acetate	8.46	43	90677	18.254	ug/l	96
44) Trichloroethene	9.11	130	108050	21.134	ug/l	99
45) 1,2-Dichloropropane	9.39	63	96907	21.130	ug/l	97
46) Dibromomethane	9.48	93	48041	20.359	ug/l	98
47) Bromodichloromethane	9.67	83	127371	20.482	ug/l	98
48) Methyl methacrylate	9.46	41	42307	18.426	ug/l	95
49) 1,4-Dioxane	9.47	88	10931	394.973	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	242248	96.016	ug/l	100
52) Toluene	10.41	92	252527	22.120	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	115691	20.071	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	141625	20.347	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	68424	20.602	ug/l	99
56) Ethyl methacrylate	10.67	69	72531	18.921	ug/l	99
57) 1,3-Dichloropropane	10.96	76	115924	20.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	113352	93.790	ug/l	100
59) 2-Hexanone	10.99	43	167851	92.938	ug/l	97
60) Dibromochloromethane	11.15	129	89109	20.962	ug/l	100
61) 1,2-Dibromoethane	11.25	107	63967	20.342	ug/l	99
64) Tetrachloroethene	10.88	164	96849	22.427	ug/l	96
65) Chlorobenzene	11.68	112	262941	21.519	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96363	21.134	ug/l	99
67) Ethyl Benzene	11.75	91	451146	21.082	ug/l	100
68) m/p-Xylenes	11.86	106	355602	43.433	ug/l	100
69) o-Xylene	12.19	106	152474	21.020	ug/l	100
70) Styrene	12.20	104	273899	21.268	ug/l	98
71) Bromoform	12.37	173	52205	20.633	ug/l #	99
73) Isopropylbenzene	12.49	105	428762	21.248	ug/l	100
74) N-amyl acetate	12.30	43	79889	17.817	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	71660	19.677	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	52778m	20.352	ug/l	
77) Bromobenzene	12.77	156	105764	21.107	ug/l	99
78) n-propylbenzene	12.83	91	519847	21.438	ug/l	99
79) 2-Chlorotoluene	12.92	91	288136	21.210	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	355625	21.398	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22295	18.563	ug/l	97
82) 4-Chlorotoluene	13.01	91	303614	21.052	ug/l	98
83) tert-Butylbenzene	13.23	119	303301	21.774	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	362807	21.810	ug/l	100
85) sec-Butylbenzene	13.41	105	431784	21.512	ug/l	100
86) p-Isopropyltoluene	13.53	119	392950	21.408	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	202432	20.897	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	200861	21.009	ug/l	99
89) n-Butylbenzene	13.86	91	359169	21.235	ug/l	98
90) Hexachloroethane	14.13	117	78758	21.132	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	174552	20.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10601	18.889	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	115336	21.199	ug/l	99
94) Hexachlorobutadiene	15.28	225	74769	21.423	ug/l	98
95) Naphthalene	15.41	128	169849	19.204	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99552	20.951	ug/l	99

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

