

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066930.D
 Acq On : 29 Sep 2020 11:16
 Operator : VA/SY
 Sample : VD0929SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0929SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:21:56 PM

Quant Time: Sep 30 03:20:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	419254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	663635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	595627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	175867	42.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.72%	
35) Dibromofluoromethane	7.91	113	190446	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
50) Toluene-d8	10.34	98	677550	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.63	95	238841	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	76931	23.197	ug/l	90
3) Chloromethane	2.21	50	68458	17.772	ug/l	98
4) Vinyl Chloride	2.35	62	69640	18.299	ug/l	90
5) Bromomethane	2.76	94	49554	18.526	ug/l	87
6) Chloroethane	2.92	64	41488	17.555	ug/l	96
7) Trichlorofluoromethane	3.27	101	156986	20.086	ug/l	94
8) Diethyl Ether	3.71	74	39261	19.787	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90260	19.916	ug/l	97
10) Methyl Iodide	4.30	142	77467	19.371	ug/l	97
11) Tert butyl alcohol	5.21	59	32882	104.893	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	80790	19.679	ug/l	95
13) Acrolein	3.92	56	23694	78.272	ug/l	94
14) Allyl chloride	4.71	41	111152	18.438	ug/l	96
15) Acrylonitrile	5.43	53	81885	93.124	ug/l	99
16) Acetone	4.16	43	65866	75.665	ug/l	94
17) Carbon Disulfide	4.41	76	244627	19.490	ug/l	98
18) Methyl Acetate	4.72	43	39098	17.793	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	171495	19.235	ug/l	91
20) Methylene Chloride	4.96	84	107011	19.191	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	95736	20.139	ug/l	92
22) Diisopropyl ether	6.37	45	234137	18.889	ug/l	97
23) Vinyl Acetate	6.31	43	563524	85.514	ug/l #	94
24) 1,1-Dichloroethane	6.26	63	156115	18.827	ug/l	99
25) 2-Butanone	7.21	43	94982	90.797	ug/l	91
26) 2,2-Dichloropropane	7.21	77	148957	19.599	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	106438	20.608	ug/l	95
28) Bromochloromethane	7.54	49	59883	17.481	ug/l	90
29) Tetrahydrofuran	7.56	42	62453	93.173	ug/l	98
30) Chloroform	7.71	83	173939	19.460	ug/l	99
31) Cyclohexane	7.98	56	140756	18.865	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	160346	19.830	ug/l	99
36) 1,1-Dichloropropene	8.11	75	132175	20.076	ug/l	99
37) Ethyl Acetate	7.29	43	46258	19.435	ug/l #	96
38) Carbon Tetrachloride	8.10	117	142577	19.808	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153441	20.299	ug/l	97
40) Benzene	8.35	78	366968	19.999	ug/l	99
41) Methacrylonitrile	7.53	41	27339	18.678	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	104880	19.335	ug/l	99
43) Isopropyl Acetate	8.45	43	85098	18.545	ug/l	97
44) Trichloroethene	9.11	130	105739	20.218	ug/l	94
45) 1,2-Dichloropropane	9.39	63	89345	19.353	ug/l	93
46) Dibromomethane	9.47	93	49824	19.864	ug/l	95
47) Bromodichloromethane	9.66	83	130964	19.436	ug/l #	95
48) Methyl methacrylate	9.46	41	45156	19.959	ug/l	95
49) 1,4-Dioxane	9.46	88	11550	337.270	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	221746	95.370	ug/l	100
52) Toluene	10.40	92	245448	20.767	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	115186	20.084	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	136854	19.570	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	72180	20.933	ug/l	97
56) Ethyl methacrylate	10.66	69	74129	20.067	ug/l	96
57) 1,3-Dichloropropane	10.94	76	113871	19.999	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	191553	109.516	ug/l	97
59) 2-Hexanone	10.98	43	143741	91.671	ug/l	98
60) Dibromochloromethane	11.14	129	90911	20.201	ug/l	100
61) 1,2-Dibromoethane	11.24	107	66030	20.588	ug/l	99
64) Tetrachloroethene	10.87	164	93685	21.866	ug/l	96
65) Chlorobenzene	11.67	112	258826	20.876	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	97908	20.865	ug/l	99
67) Ethyl Benzene	11.74	91	444240	20.401	ug/l	99
68) m/p-Xylenes	11.85	106	351317	42.613	ug/l	99
69) o-Xylene	12.18	106	157443	21.119	ug/l	96
70) Styrene	12.20	104	267514	20.663	ug/l	98
71) Bromoform	12.36	173	51163	21.534	ug/l #	96
73) Isopropylbenzene	12.48	105	430066	20.561	ug/l	98
74) N-amyl acetate	12.29	43	77195	18.898	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	73308	20.311	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	55815m	23.261	ug/l	
77) Bromobenzene	12.76	156	103761	21.210	ug/l	96
78) n-propylbenzene	12.82	91	518350	20.599	ug/l	100
79) 2-Chlorotoluene	12.91	91	291975	20.361	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	370796	20.892	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19095	19.910	ug/l	96
82) 4-Chlorotoluene	13.01	91	312732	20.689	ug/l	98
83) tert-Butylbenzene	13.23	119	301366	20.664	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	361268	20.527	ug/l	98
85) sec-Butylbenzene	13.41	105	441594	21.056	ug/l	100
86) p-Isopropyltoluene	13.52	119	404634	21.405	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	199737	20.666	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	201198	20.960	ug/l	100
89) n-Butylbenzene	13.85	91	362660	20.184	ug/l	99
90) Hexachloroethane	14.11	117	75940	19.787	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	170936	20.673	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11560	19.910	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	111012	21.327	ug/l	96
94) Hexachlorobutadiene	15.27	225	67678	21.697	ug/l	98
95) Naphthalene	15.41	128	174594	19.757	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	95817	21.327	ug/l	99

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

