

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066953.D
 Acq On : 29 Sep 2020 23:09
 Operator : VA/SY
 Sample : VW0929SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VW0929SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:22:24 PM

Quant Time: Sep 30 04:45:57 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	385013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	641982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	595830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173919	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	7.91	113	190367	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
50) Toluene-d8	10.34	98	663913	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.63	95	231487	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64330	20.533	ug/l	88
3) Chloromethane	2.20	50	67512	19.085	ug/l	96
4) Vinyl Chloride	2.34	62	63562	18.188	ug/l	98
5) Bromomethane	2.76	94	48757	19.849	ug/l	95
6) Chloroethane	2.92	64	40255	18.549	ug/l	99
7) Trichlorofluoromethane	3.27	101	140564	19.584	ug/l	95
8) Diethyl Ether	3.71	74	39513	21.685	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84831	20.383	ug/l	98
10) Methyl Iodide	4.30	142	74957	20.410	ug/l	94
11) Tert butyl alcohol	5.22	59	31528	112.125	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	79674	21.133	ug/l	98
13) Acrolein	3.92	56	18509	66.582	ug/l	99
14) Allyl chloride	4.71	41	109316	19.746	ug/l	96
15) Acrylonitrile	5.43	53	84868	105.100	ug/l	99
16) Acetone	4.16	43	63427	79.344	ug/l	93
17) Carbon Disulfide	4.41	76	229484	19.910	ug/l	98
18) Methyl Acetate	4.72	43	46493	24.193	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	173847	21.233	ug/l	99
20) Methylene Chloride	4.96	84	106115	21.248	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	93928	21.516	ug/l	96
22) Diisopropyl ether	6.37	45	239320	21.025	ug/l	96
23) Vinyl Acetate	6.30	43	542316	89.487	ug/l	98
24) 1,1-Dichloroethane	6.27	63	158753	20.848	ug/l	98
25) 2-Butanone	7.21	43	96286	100.229	ug/l	95
26) 2,2-Dichloropropane	7.20	77	126925	18.185	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	105578	22.259	ug/l	95
28) Bromochloromethane	7.55	49	60019	19.078	ug/l	91
29) Tetrahydrofuran	7.57	42	65120	105.793	ug/l	97
30) Chloroform	7.71	83	176456	21.497	ug/l	90
31) Cyclohexane	7.99	56	127518	18.611	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	151017	20.338	ug/l	99
36) 1,1-Dichloropropene	8.11	75	123113	19.330	ug/l	98
37) Ethyl Acetate	7.29	43	45226	19.643	ug/l #	92
38) Carbon Tetrachloride	8.10	117	133666	19.196	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	136650	18.687	ug/l	97
40) Benzene	8.35	78	360252	20.296	ug/l	97
41) Methacrylonitrile	7.53	41	24281m	17.149	ug/l	
42) 1,2-Dichloroethane	8.42	62	104930	19.996	ug/l	97
43) Isopropyl Acetate	8.45	43	87802	19.780	ug/l	99
44) Trichloroethene	9.11	130	102318	20.223	ug/l	93
45) 1,2-Dichloropropane	9.38	63	90879	20.349	ug/l	94
46) Dibromomethane	9.47	93	50891	20.973	ug/l	96
47) Bromodichloromethane	9.66	83	132522	20.331	ug/l #	99
48) Methyl methacrylate	9.46	41	42024	19.201	ug/l	98
49) 1,4-Dioxane	9.46	88	12529	392.248	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	227975	101.356	ug/l	99
52) Toluene	10.40	92	239858	20.978	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	111297	20.061	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	135664	20.054	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	70193	21.043	ug/l	93
56) Ethyl methacrylate	10.66	69	74587	20.872	ug/l	96
57) 1,3-Dichloropropane	10.94	76	115627	20.992	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	203098	120.033	ug/l	99
59) 2-Hexanone	10.98	43	149470	98.540	ug/l	94
60) Dibromochloromethane	11.14	129	92309	21.203	ug/l	97
61) 1,2-Dibromoethane	11.24	107	68211	21.985	ug/l	100
64) Tetrachloroethene	10.87	164	92467	21.575	ug/l	93
65) Chlorobenzene	11.67	112	260244	20.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	96228	20.500	ug/l	98
67) Ethyl Benzene	11.74	91	437037	20.063	ug/l	98
68) m/p-Xylenes	11.86	106	345651	41.911	ug/l	97
69) o-Xylene	12.18	106	154840	20.763	ug/l	96
70) Styrene	12.19	104	266940	20.612	ug/l	98
71) Bromoform	12.36	173	52389	22.043	ug/l #	94
73) Isopropylbenzene	12.48	105	425133	20.654	ug/l	100
74) N-amyl acetate	12.28	43	74422	18.514	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	73697	20.749	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	46854m	19.842	ug/l	
77) Bromobenzene	12.76	156	101415	21.066	ug/l	96
78) n-propylbenzene	12.82	91	497216	20.079	ug/l	99
79) 2-Chlorotoluene	12.91	91	282700	20.033	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	358119	20.504	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	22044	23.356	ug/l	89
82) 4-Chlorotoluene	13.01	91	307483	20.671	ug/l	98
83) tert-Butylbenzene	13.23	119	290240	20.223	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	358428	20.696	ug/l	98
85) sec-Butylbenzene	13.40	105	409351	19.835	ug/l	100
86) p-Isopropyltoluene	13.52	119	373344	20.069	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	195639	20.570	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	194788	20.620	ug/l	98
89) n-Butylbenzene	13.85	91	340478	19.256	ug/l	98
90) Hexachloroethane	14.11	117	72763	19.266	ug/l	91
91) 1,2-Dichlorobenzene	13.89	146	173856	21.366	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11714	20.502	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	105963	20.686	ug/l	95
94) Hexachlorobutadiene	15.27	225	61314	19.975	ug/l	96
95) Naphthalene	15.41	128	179470	20.637	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	92921	21.017	ug/l	99

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

