

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066929.D
 Acq On : 29 Sep 2020 10:49
 Operator : VA/SY
 Sample : VD0929SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0929SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:21:54 PM

Quant Time: Sep 30 03:18:10 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	432583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	661927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	621163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296870	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	189622	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	
35) Dibromofluoromethane	7.91	113	203090	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	10.34	98	713501	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.63	95	253180	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	75972	21.919	ug/l 96
3) Chloromethane	2.21	50	71227	17.921	ug/l 89
4) Vinyl Chloride	2.35	62	66486	16.932	ug/l 100
5) Bromomethane	2.76	94	46804	16.959	ug/l 98
6) Chloroethane	2.92	64	43806	17.965	ug/l 95
7) Trichlorofluoromethane	3.27	101	155597	19.295	ug/l 99
8) Diethyl Ether	3.71	74	40648	19.855	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	91888	19.651	ug/l 97
10) Methyl Iodide	4.30	142	75766	18.362	ug/l 97
11) Tert butyl alcohol	5.23	59	35161m	110.856	ug/l
12) 1,1-Dichloroethene	4.07	96	80765	19.066	ug/l 98
13) Acrolein	3.93	56	24756	79.261	ug/l 87
14) Allyl chloride	4.71	41	109194	17.555	ug/l 97
15) Acrylonitrile	5.42	53	85587	94.335	ug/l 99
16) Acetone	4.16	43	70605	78.610	ug/l 98
17) Carbon Disulfide	4.41	76	239744	18.512	ug/l 99
18) Methyl Acetate	4.71	43	41878	18.619	ug/l 100
19) Methyl tert-butyl Ether	5.47	73	178968	19.455	ug/l 99
20) Methylene Chloride	4.96	84	108392	18.719	ug/l 90
21) trans-1,2-Dichloroethene	5.47	96	96802	19.736	ug/l 98
22) Diisopropyl ether	6.36	45	243373	19.030	ug/l 96
23) Vinyl Acetate	6.31	43	578909	85.154	ug/l 95
24) 1,1-Dichloroethane	6.27	63	160049	18.707	ug/l 98
25) 2-Butanone	7.21	43	97394	90.234	ug/l 99
26) 2,2-Dichloropropane	7.20	77	148483	18.935	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	103659	19.451	ug/l 99
28) Bromochloromethane	7.54	49	62381	17.649	ug/l # 9
29) Tetrahydrofuran	7.56	42	67201	97.168	ug/l 97
30) Chloroform	7.71	83	177807	19.279	ug/l 98
31) Cyclohexane	7.98	56	138317	17.967	ug/l # 93
32) 1,1,1-Trichloroethane	7.90	97	157397	18.866	ug/l 98
36) 1,1-Dichloropropene	8.11	75	127417	19.403	ug/l 96
37) Ethyl Acetate	7.29	43	46348	19.523	ug/l # 93
38) Carbon Tetrachloride	8.09	117	145162	20.219	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151792	20.132	ug/l	98
40) Benzene	8.35	78	370199	20.228	ug/l	96
41) Methacrylonitrile	7.53	41	28052	19.215	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	104806	19.371	ug/l	97
43) Isopropyl Acetate	8.45	43	91916	20.083	ug/l	100
44) Trichloroethene	9.11	130	108954	20.886	ug/l	99
45) 1,2-Dichloropropane	9.38	63	90408	19.634	ug/l	95
46) Dibromomethane	9.47	93	52707	21.067	ug/l	99
47) Bromodichloromethane	9.66	83	136295	20.280	ug/l #	94
48) Methyl methacrylate	9.46	41	41786	18.517	ug/l	94
49) 1,4-Dioxane	9.46	88	12557	378.041	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	230322	99.314	ug/l	99
52) Toluene	10.40	92	245577	20.831	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	120251	21.022	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	141420	20.275	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	72067	20.954	ug/l	98
56) Ethyl methacrylate	10.66	69	76798	20.843	ug/l	98
57) 1,3-Dichloropropane	10.94	76	117631	20.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	216108	123.873	ug/l	99
59) 2-Hexanone	10.98	43	155973	99.729	ug/l	98
60) Dibromochloromethane	11.14	129	95197	21.208	ug/l	97
61) 1,2-Dibromoethane	11.24	107	69012	21.573	ug/l	98
64) Tetrachloroethene	10.87	164	93847	21.004	ug/l	96
65) Chlorobenzene	11.67	112	260863	20.175	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	101871	20.817	ug/l	99
67) Ethyl Benzene	11.74	91	445212	19.605	ug/l	100
68) m/p-Xylenes	11.85	106	354822	41.268	ug/l	99
69) o-Xylene	12.18	106	154313	19.849	ug/l	98
70) Styrene	12.20	104	279541	20.705	ug/l	99
71) Bromoform	12.36	173	52882	21.343	ug/l #	100
73) Isopropylbenzene	12.48	105	434894	20.279	ug/l	98
74) N-amyl acetate	12.29	43	80167	19.142	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	75233	20.330	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	56155m	22.825	ug/l	
77) Bromobenzene	12.76	156	103344	20.604	ug/l	97
78) n-propylbenzene	12.82	91	528912	20.500	ug/l	99
79) 2-Chlorotoluene	12.91	91	294389	20.023	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	372512	20.471	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20360	20.705	ug/l	100
82) 4-Chlorotoluene	13.01	91	317833	20.507	ug/l	100
83) tert-Butylbenzene	13.23	119	309294	20.684	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	370430	20.529	ug/l	100
85) sec-Butylbenzene	13.40	105	430343	20.014	ug/l	99
86) p-Isopropyltoluene	13.52	119	403450	20.816	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	204889	20.676	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203431	20.670	ug/l	99
89) n-Butylbenzene	13.85	91	368657	20.011	ug/l	98
90) Hexachloroethane	14.11	117	76534	19.450	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	176622	20.833	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11310	18.999	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	111438	20.881	ug/l	97
94) Hexachlorobutadiene	15.27	225	67020	20.956	ug/l	97
95) Naphthalene	15.41	128	183036	20.201	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	98746	21.437	ug/l	98

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

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