

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066630.D
 Acq On : 10 Sep 2020 23:55
 Operator : VA/SY
 Sample : VD0910SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:18:02 AM

Quant Time: Sep 11 03:15:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	321386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	568757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	523147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	239624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	224837	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	
35) Dibromofluoromethane	7.91	113	206910	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
50) Toluene-d8	10.34	98	753555	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
62) 4-Bromofluorobenzene	12.63	95	246187	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	63262	21.598	ug/l	92
3) Chloromethane	2.21	50	91413	22.491	ug/l	97
4) Vinyl Chloride	2.35	62	90097	19.986	ug/l	99
5) Bromomethane	2.76	94	64624	19.941	ug/l	89
6) Chloroethane	2.92	64	58641	20.481	ug/l	100
7) Trichlorofluoromethane	3.27	101	138815	20.845	ug/l	94
8) Diethyl Ether	3.70	74	38358	22.874	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	72997	20.254	ug/l	98
10) Methyl Iodide	4.30	142	65094	22.231	ug/l	100
11) Tert butyl alcohol	5.21	59	32704	108.816	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	68500	21.155	ug/l	99
13) Acrolein	3.92	56	13972	87.878	ug/l	92
14) Allyl chloride	4.72	41	114956	21.663	ug/l	100
15) Acrylonitrile	5.43	53	85670	118.926	ug/l	99
16) Acetone	4.16	43	67716	94.646	ug/l	96
17) Carbon Disulfide	4.40	76	227314	21.355	ug/l	96
18) Methyl Acetate	4.72	43	42131	24.703	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	173801	22.889	ug/l	100
20) Methylene Chloride	4.97	84	105495	23.556	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	84569	21.994	ug/l	94
22) Diisopropyl ether	6.36	45	257444	23.591	ug/l	98
23) Vinyl Acetate	6.30	43	700274	112.764	ug/l	99
24) 1,1-Dichloroethane	6.27	63	154715	22.545	ug/l	98
25) 2-Butanone	7.21	43	106098	110.469	ug/l	96
26) 2,2-Dichloropropane	7.20	77	120812	19.192	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	91440	22.114	ug/l	99
28) Bromochloromethane	7.55	49	55302	20.932	ug/l	98
29) Tetrahydrofuran	7.56	42	70041	117.096	ug/l	99
30) Chloroform	7.71	83	165200	22.754	ug/l	95
31) Cyclohexane	7.98	56	126161	19.888	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	143487	21.021	ug/l	99
36) 1,1-Dichloropropene	8.11	75	117163	19.794	ug/l	99
37) Ethyl Acetate	7.29	43	50883	21.589	ug/l #	89
38) Carbon Tetrachloride	8.09	117	124695	19.931	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	125156	18.936	ug/l	94
40) Benzene	8.34	78	336576	20.762	ug/l	99
41) Methacrylonitrile	7.51	41	26116m	22.891	ug/l	
42) 1,2-Dichloroethane	8.42	62	109568	20.860	ug/l	100
43) Isopropyl Acetate	8.45	43	94697	20.965	ug/l	98
44) Trichloroethene	9.11	130	88776	20.877	ug/l	91
45) 1,2-Dichloropropane	9.38	63	85677	21.016	ug/l	98
46) Dibromomethane	9.47	93	48002	21.342	ug/l	95
47) Bromodichloromethane	9.66	83	126926	20.858	ug/l #	97
48) Methyl methacrylate	9.45	41	47375	20.743	ug/l	93
49) 1,4-Dioxane	9.46	88	10498	425.445	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	250390	109.919	ug/l	99
52) Toluene	10.40	92	220514	21.489	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	111627	20.780	ug/l	92
54) cis-1,3-Dichloropropene	10.08	75	131616	20.402	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	63882	22.090	ug/l	97
56) Ethyl methacrylate	10.65	69	71903	21.354	ug/l #	95
57) 1,3-Dichloropropane	10.94	76	108358	21.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	181265	117.696	ug/l	98
59) 2-Hexanone	10.98	43	163584	106.786	ug/l	99
60) Dibromochloromethane	11.14	129	81772	21.383	ug/l	99
61) 1,2-Dibromoethane	11.24	107	63512	22.574	ug/l	96
64) Tetrachloroethene	10.88	164	67817	19.253	ug/l	94
65) Chlorobenzene	11.67	112	222772	20.632	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	85569	20.765	ug/l	99
67) Ethyl Benzene	11.74	91	385621	19.450	ug/l	99
68) m/p-Xylenes	11.85	106	299446	40.677	ug/l	97
69) o-Xylene	12.18	106	132871	20.140	ug/l	97
70) Styrene	12.20	104	238754	20.816	ug/l	99
71) Bromoform	12.36	173	43188	20.796	ug/l #	98
73) Isopropylbenzene	12.48	105	371003	20.912	ug/l	99
74) N-amyl acetate	12.29	43	85906	21.379	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	68142	21.741	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	44236m	19.195	ug/l	
77) Bromobenzene	12.76	156	84586	21.385	ug/l	97
78) n-propylbenzene	12.82	91	448925	20.873	ug/l	100
79) 2-Chlorotoluene	12.91	91	256002	21.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	310396	20.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18792	19.037	ug/l	93
82) 4-Chlorotoluene	13.00	91	276241	21.410	ug/l	98
83) tert-Butylbenzene	13.23	119	253346	20.776	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	307583	20.689	ug/l	100
85) sec-Butylbenzene	13.40	105	357730	20.362	ug/l	99
86) p-Isopropyltoluene	13.52	119	319922	20.232	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	161535	20.571	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	164229	20.837	ug/l	99
89) n-Butylbenzene	13.84	91	296588	19.248	ug/l	99
90) Hexachloroethane	14.11	117	67499	19.811	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	143867	20.961	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11490	21.580	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	83086	20.171	ug/l	98
94) Hexachlorobutadiene	15.27	225	46105	18.631	ug/l	96
95) Naphthalene	15.41	128	148080	20.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	71674	20.409	ug/l	98

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

