

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072720\
 Data File : VD066064.D
 Acq On : 27 Jul 2020 13:47
 Operator : VA/SY
 Sample : VD0727SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 1:44:07 PM

Quant Time: Jul 27 18:00:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	286117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	403070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	377112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	120052	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.91	113	121998	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.34	98	470382	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.64	95	161733	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	46923	21.610	ug/l	95
3) Chloromethane	2.21	50	35706	20.150	ug/l	99
4) Vinyl Chloride	2.35	62	35028	20.758	ug/l	99
5) Bromomethane	2.76	94	23432	16.371	ug/l	91
6) Chloroethane	2.92	64	20407	20.259	ug/l	96
7) Trichlorofluoromethane	3.27	101	87692	21.365	ug/l	96
8) Diethyl Ether	3.70	74	21649	19.082	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	51795	20.900	ug/l	98
10) Methyl Iodide	4.30	142	52181	25.982	ug/l	96
11) Tert butyl alcohol	5.19	59	24882m	160.127	ug/l	
12) 1,1-Dichloroethene	4.07	96	46814	19.789	ug/l	93
13) Acrolein	3.92	56	15163	77.304	ug/l	100
14) Allyl chloride	4.71	41	68197	18.442	ug/l	92
15) Acrylonitrile	5.43	53	44122	91.033	ug/l	97
16) Acetone	4.16	43	43388	92.072	ug/l	91
17) Carbon Disulfide	4.41	76	141708	18.467	ug/l	98
18) Methyl Acetate	4.71	43	19461	17.752	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	96477	19.849	ug/l	99
20) Methylene Chloride	4.97	84	64167	23.026	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	53076	19.852	ug/l	93
22) Diisopropyl ether	6.36	45	128756	18.327	ug/l	94
23) Vinyl Acetate	6.31	43	374658	94.560	ug/l	97
24) 1,1-Dichloroethane	6.27	63	80750	18.970	ug/l	97
25) 2-Butanone	7.21	43	56112	89.736	ug/l	99
26) 2,2-Dichloropropane	7.21	77	83270	21.753	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	55052	19.447	ug/l	97
28) Bromochloromethane	7.55	49	32438	17.954	ug/l	91
29) Tetrahydrofuran	7.56	42	34789	90.171	ug/l	96
30) Chloroform	7.71	83	89891	20.188	ug/l	93
31) Cyclohexane	7.98	56	79222	18.917	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	89370	21.698	ug/l	98
36) 1,1-Dichloropropene	8.11	75	71397	20.755	ug/l	99
37) Ethyl Acetate	7.29	43	26324	20.037	ug/l	100
38) Carbon Tetrachloride	8.10	117	83235	22.300	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	87215	20.936	ug/l	94
40) Benzene	8.36	78	195157	20.278	ug/l	99
41) Methacrylonitrile	7.53	41	14827m	19.701	ug/l	
42) 1,2-Dichloroethane	8.43	62	56248	21.329	ug/l	99
43) Isopropyl Acetate	8.46	43	48561	18.925	ug/l	98
44) Trichloroethene	9.11	130	60227	20.680	ug/l	93
45) 1,2-Dichloropropane	9.38	63	46717	20.043	ug/l	100
46) Dibromomethane	9.48	93	26094	20.796	ug/l	98
47) Bromodichloromethane	9.67	83	68646	20.691	ug/l	98
48) Methyl methacrylate	9.46	41	23156	17.891	ug/l #	86
49) 1,4-Dioxane	9.47	88	5827	400.835	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	125023	96.703	ug/l	99
52) Toluene	10.41	92	134080	21.363	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	65261	21.114	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	76892	20.522	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	36475	20.496	ug/l	94
56) Ethyl methacrylate	10.67	69	43510	21.029	ug/l	99
57) 1,3-Dichloropropane	10.95	76	59052	20.045	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.94	63	104836	106.068	ug/l	97
59) 2-Hexanone	10.99	43	89504	99.900	ug/l	96
60) Dibromochloromethane	11.14	129	50601	21.089	ug/l	96
61) 1,2-Dibromoethane	11.26	107	36546	21.299	ug/l	97
64) Tetrachloroethene	10.88	164	54340	21.230	ug/l	95
65) Chlorobenzene	11.68	112	146082	21.157	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	55855	21.908	ug/l	97
67) Ethyl Benzene	11.75	91	254655	21.431	ug/l	99
68) m/p-Xylenes	11.86	106	201830	44.192	ug/l	100
69) o-Xylene	12.18	106	88609	21.331	ug/l	94
70) Styrene	12.20	104	156531	21.932	ug/l	99
71) Bromoform	12.37	173	32134	21.517	ug/l #	100
73) Isopropylbenzene	12.48	105	255406	20.561	ug/l	99
74) N-amyl acetate	12.30	43	47886	18.593	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	37857	18.441	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	24912m	16.117	ug/l	
77) Bromobenzene	12.77	156	64637	20.361	ug/l	95
78) n-propylbenzene	12.83	91	299856	20.803	ug/l	100
79) 2-Chlorotoluene	12.91	91	165594	20.109	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	217162	21.279	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	12905	19.158	ug/l	96
82) 4-Chlorotoluene	13.01	91	178041	20.483	ug/l	99
83) tert-Butylbenzene	13.23	119	187415	20.986	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	211032	20.960	ug/l	98
85) sec-Butylbenzene	13.41	105	263911	21.455	ug/l	100
86) p-Isopropyltoluene	13.53	119	241183	21.582	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	124767	21.169	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	123841	20.785	ug/l	99
89) n-Butylbenzene	13.85	91	220164	21.188	ug/l	98
90) Hexachloroethane	14.12	117	47287	20.441	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	103710	20.306	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6645	19.751	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	78899	21.522	ug/l	100
94) Hexachlorobutadiene	15.28	225	50002	22.062	ug/l	98
95) Naphthalene	15.41	128	120902	20.777	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68453	21.479	ug/l	97

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

