

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065953.D
 Acq On : 16 Jul 2020 13:18
 Operator : VA/SY
 Sample : VD0716SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/17/2020 4:43:38 PM

Quant Time: Jul 17 08:10:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	360715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	522201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	484591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	142325	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
35) Dibromofluoromethane	7.91	113	154514	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	10.34	98	561239	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.64	95	198819	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	67656	21.098	ug/l	91
3) Chloromethane	2.20	50	55709	17.524	ug/l	94
4) Vinyl Chloride	2.35	62	51172	17.531	ug/l	99
5) Bromomethane	2.76	94	32295	17.467	ug/l	90
6) Chloroethane	2.92	64	31000	17.767	ug/l	97
7) Trichlorofluoromethane	3.27	101	125661	20.087	ug/l	97
8) Diethyl Ether	3.70	74	32008	18.650	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	76162	20.353	ug/l	98
10) Methyl Iodide	4.30	142	71136	19.655	ug/l	99
11) Tert butyl alcohol	5.21	59	23423	102.885	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	72874	20.846	ug/l	95
13) Acrolein	3.92	56	17255	89.621	ug/l	97
14) Allyl chloride	4.71	41	109274	18.445	ug/l	97
15) Acrylonitrile	5.41	53	71496	95.147	ug/l	98
16) Acetone	4.16	43	75199	100.374	ug/l	94
17) Carbon Disulfide	4.41	76	219379	19.695	ug/l	100
18) Methyl Acetate	4.71	43	32898	18.733	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	147169	19.885	ug/l	99
20) Methylene Chloride	4.96	84	110989	22.005	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	78900	20.060	ug/l	91
22) Diisopropyl ether	6.36	45	214639	19.279	ug/l	99
23) Vinyl Acetate	6.30	43	600853	94.551	ug/l	99
24) 1,1-Dichloroethane	6.26	63	130647	19.680	ug/l	99
25) 2-Butanone	7.21	43	95282	96.247	ug/l	97
26) 2,2-Dichloropropane	7.21	77	118409	20.389	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	87352	20.670	ug/l	96
28) Bromochloromethane	7.55	49	53737	21.428	ug/l	94
29) Tetrahydrofuran	7.56	42	58062	92.234	ug/l	99
30) Chloroform	7.71	83	133000	19.762	ug/l	99
31) Cyclohexane	7.98	56	125349	19.191	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	122709	19.979	ug/l	99
36) 1,1-Dichloropropene	8.11	75	108026	20.945	ug/l	99
37) Ethyl Acetate	7.28	43	39720	18.380	ug/l #	95
38) Carbon Tetrachloride	8.09	117	116167	21.014	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	132014	20.849	ug/l	98
40) Benzene	8.35	78	300205	21.070	ug/l	100
41) Methacrylonitrile	7.52	41	26080m	20.787	ug/l	
42) 1,2-Dichloroethane	8.43	62	81313	20.145	ug/l	100
43) Isopropyl Acetate	8.45	43	79434	19.748	ug/l	96
44) Trichloroethene	9.11	130	89204	21.308	ug/l	97
45) 1,2-Dichloropropane	9.39	63	73281	20.722	ug/l	94
46) Dibromomethane	9.47	93	37738	20.497	ug/l	96
47) Bromodichloromethane	9.66	83	99907	20.229	ug/l	97
48) Methyl methacrylate	9.46	41	40187	19.846	ug/l	97
49) 1,4-Dioxane	9.46	88	8839	404.047	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	199435	98.071	ug/l	99
52) Toluene	10.40	92	196329	21.659	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	95352	20.533	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	118195	21.064	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	54441	21.461	ug/l	97
56) Ethyl methacrylate	10.66	69	63050	20.350	ug/l	98
57) 1,3-Dichloropropane	10.95	76	91688	20.668	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	169758	113.134	ug/l	99
59) 2-Hexanone	10.98	43	140927	100.765	ug/l	96
60) Dibromochloromethane	11.14	129	73277	21.143	ug/l	100
61) 1,2-Dibromoethane	11.25	107	54009	21.354	ug/l	97
64) Tetrachloroethene	10.88	164	78013	22.137	ug/l	90
65) Chlorobenzene	11.67	112	211335	21.641	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	79676	21.814	ug/l	98
67) Ethyl Benzene	11.74	91	368849	21.261	ug/l	98
68) m/p-Xylenes	11.86	106	290713	44.106	ug/l	97
69) o-Xylene	12.18	106	127900	21.302	ug/l	100
70) Styrene	12.20	104	227567	21.956	ug/l	98
71) Bromoform	12.36	173	43939	21.260	ug/l	# 98
73) Isopropylbenzene	12.48	105	364415	20.436	ug/l	99
74) N-amyl acetate	12.29	43	73673	18.412	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	58034	19.603	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	39945m	18.637	ug/l	
77) Bromobenzene	12.76	156	89452	20.683	ug/l	97
78) n-propylbenzene	12.82	91	423440	20.254	ug/l	99
79) 2-Chlorotoluene	12.91	91	234261	19.752	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	302684	20.753	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18500	18.546	ug/l	94
82) 4-Chlorotoluene	13.01	91	250933	20.166	ug/l	98
83) tert-Butylbenzene	13.23	119	261802	21.069	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	300078	20.669	ug/l	100
85) sec-Butylbenzene	13.40	105	363618	20.648	ug/l	99
86) p-Isopropyltoluene	13.52	119	335184	20.810	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	172314	21.292	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	168078	20.817	ug/l	98
89) n-Butylbenzene	13.85	91	301544	19.936	ug/l	99
90) Hexachloroethane	14.11	117	66888	20.593	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	143383	20.271	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9447	19.084	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108708	21.564	ug/l	96
94) Hexachlorobutadiene	15.27	225	64796	21.248	ug/l	98
95) Naphthalene	15.40	128	168297	19.905	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	93334	21.464	ug/l	98

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

