

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065412.D
 Acq On : 04 Mar 2020 15:30
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:03 PM

Quant Time: Mar 04 16:39:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	519586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	755497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	677436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	84345	18.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.64%	
35) Dibromofluoromethane	7.92	113	90007	19.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.42%	
50) Toluene-d8	10.34	98	347059	19.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.58%	
62) 4-Bromofluorobenzene	12.64	95	104658	18.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	95301	21.152	ug/l	99
3) Chloromethane	2.21	50	111906	20.735	ug/l	98
4) Vinyl Chloride	2.36	62	109192	20.461	ug/l	96
5) Bromomethane	2.77	94	67394	19.654	ug/l	99
6) Chloroethane	2.92	64	65368	20.070	ug/l	99
7) Trichlorofluoromethane	3.27	101	158405	20.133	ug/l	98
8) Diethyl Ether	3.70	74	45242	19.257	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100672	19.878	ug/l	98
10) Methyl Iodide	4.30	142	97803	18.704	ug/l	97
11) Tert butyl alcohol	5.26	59	21070	86.936	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	94973	19.599	ug/l	98
13) Acrolein	3.92	56	43552	98.495	ug/l	100
14) Allyl chloride	4.71	41	144291	19.328	ug/l	98
15) Acrylonitrile	5.43	53	90705	87.884	ug/l	97
16) Acetone	4.17	43	82637	90.406	ug/l	93
17) Carbon Disulfide	4.40	76	319407	19.744	ug/l	98
18) Methyl Acetate	4.73	43	41994	17.970	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	175539	18.636	ug/l	97
20) Methylene Chloride	4.96	84	106101	18.723	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	106088	19.626	ug/l	97
22) Diisopropyl ether	6.37	45	275743	19.683	ug/l	95
23) Vinyl Acetate	6.31	43	723835	93.167	ug/l	99
24) 1,1-Dichloroethane	6.26	63	176872	19.877	ug/l	97
25) 2-Butanone	7.22	43	109603	87.643	ug/l	96
26) 2,2-Dichloropropane	7.20	77	151651	19.498	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	107535	19.399	ug/l	98
28) Bromochloromethane	7.55	49	67864	18.800	ug/l	100
29) Tetrahydrofuran	7.57	42	70332	87.548	ug/l	97
30) Chloroform	7.71	83	172261	19.250	ug/l	94
31) Cyclohexane	7.98	56	173087	19.547	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	159823	19.460	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142700	19.640	ug/l	99
37) Ethyl Acetate	7.30	43	51299	18.039	ug/l	98
38) Carbon Tetrachloride	8.10	117	150628	20.085	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172694	19.892	ug/l	95
40) Benzene	8.35	78	400773	19.677	ug/l	99
41) Methacrylonitrile	7.52	41	29284	20.264	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	102318	19.091	ug/l	99
43) Isopropyl Acetate	8.46	43	96342	18.512	ug/l	97
44) Trichloroethene	9.11	130	114003	19.939	ug/l	98
45) 1,2-Dichloropropane	9.39	63	97506	19.712	ug/l	94
46) Dibromomethane	9.48	93	48839	18.989	ug/l	98
47) Bromodichloromethane	9.67	83	130808	19.590	ug/l	98
48) Methyl methacrylate	9.46	41	43932	17.845	ug/l	96
49) 1,4-Dioxane	9.47	88	10802	364.871	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	243123	92.372	ug/l	98
52) Toluene	10.41	92	251657	19.591	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	115197	18.336	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	145207	19.138	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	70403	19.355	ug/l	100
56) Ethyl methacrylate	10.67	69	74940	18.172	ug/l	99
57) 1,3-Dichloropropane	10.95	76	117528	19.039	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	120029	81.872	ug/l	99
59) 2-Hexanone	10.99	43	167155	91.613	ug/l	98
60) Dibromochloromethane	11.14	129	88114	18.813	ug/l	100
61) 1,2-Dibromoethane	11.25	107	65770	18.932	ug/l	97
64) Tetrachloroethene	10.88	164	98763	20.297	ug/l	99
65) Chlorobenzene	11.67	112	264701	19.642	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	97044	19.724	ug/l	99
67) Ethyl Benzene	11.75	91	461684	19.873	ug/l	99
68) m/p-Xylenes	11.86	106	361858	40.402	ug/l	97
69) o-Xylene	12.19	106	156691	19.891	ug/l	100
70) Styrene	12.20	104	282995	20.365	ug/l	98
71) Bromoform	12.37	173	52624	18.960	ug/l #	98
73) Isopropylbenzene	12.49	105	435691	19.875	ug/l	100
74) N-amyl acetate	12.30	43	82002	18.115	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	72952	18.759	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	60644m	13.155	ug/l	
77) Bromobenzene	12.77	156	105527	19.198	ug/l	99
78) n-propylbenzene	12.83	91	522145	20.014	ug/l	99
79) 2-Chlorotoluene	12.91	91	293598	20.005	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	360491	19.974	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23437	18.736	ug/l	98
82) 4-Chlorotoluene	13.01	91	309958	20.031	ug/l	100
83) tert-Butylbenzene	13.23	119	299072	19.627	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	359642	20.186	ug/l	99
85) sec-Butylbenzene	13.41	105	429200	19.735	ug/l	99
86) p-Isopropyltoluene	13.53	119	400227	20.159	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	208033	19.816	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	205258	19.600	ug/l	99
89) n-Butylbenzene	13.86	91	360953	19.701	ug/l	100
90) Hexachloroethane	14.12	117	78383	19.120	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	173589	19.288	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10049	16.835	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	117696	19.441	ug/l	98
94) Hexachlorobutadiene	15.28	225	77614	19.599	ug/l	97
95) Naphthalene	15.41	128	173664	17.839	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	100507	19.114	ug/l	98

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

