

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062620\
 Data File : VD065874.D
 Acq On : 26 Jun 2020 11:11
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 26 18:43:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 18:33:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	144140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	238750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	212746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	100839	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	15176	10.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.34%	
35) Dibromofluoromethane	7.91	113	14413	10.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.12%	
50) Toluene-d8	10.34	98	54580	9.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.62%	
62) 4-Bromofluorobenzene	12.64	95	16552	9.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	16051	11.788	ug/l	96
3) Chloromethane	2.21	50	20551	10.652	ug/l	89
4) Vinyl Chloride	2.35	62	22736	10.861	ug/l	93
5) Bromomethane	2.77	94	15375	11.246	ug/l	93
6) Chloroethane	2.92	64	14066	10.480	ug/l #	85
7) Trichlorofluoromethane	3.27	101	27122	10.054	ug/l	100
8) Diethyl Ether	3.70	74	7656	11.143	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	16086	10.656	ug/l	97
10) Methyl Iodide	4.30	142	11840	8.443	ug/l #	92
11) Tert butyl alcohol	5.21	59	5448	65.811	ug/l #	69
12) 1,1-Dichloroethene	4.07	96	14307	9.981	ug/l	98
13) Acrolein	3.93	56	5880	55.717	ug/l	99
14) Allyl chloride	4.71	41	22393	10.051	ug/l	97
15) Acrylonitrile	5.43	53	15473	51.732	ug/l	98
16) Acetone	4.16	43	14132	47.915	ug/l	91
17) Carbon Disulfide	4.41	76	48496	10.257	ug/l	97
18) Methyl Acetate	4.72	43	6293	10.007	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	29830	9.710	ug/l	100
20) Methylene Chloride	4.97	84	21462	12.010	ug/l #	89
21) trans-1,2-Dichloroethene	5.48	96	16497	10.222	ug/l	91
22) Diisopropyl ether	6.36	45	43500	9.477	ug/l	97
23) Vinyl Acetate	6.31	43	126416	47.413	ug/l	99
24) 1,1-Dichloroethane	6.27	63	27418	9.852	ug/l	95
25) 2-Butanone	7.21	43	19196	48.998	ug/l	100
26) 2,2-Dichloropropane	7.21	77	25128	9.947	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	18111	10.438	ug/l	96
28) Bromochloromethane	7.54	49	10629	10.391	ug/l #	99
29) Tetrahydrofuran	7.56	42	10813	44.553	ug/l #	84
30) Chloroform	7.71	83	29798	10.143	ug/l #	83
31) Cyclohexane	7.98	56	26810	10.117	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	27246	9.986	ug/l	99
36) 1,1-Dichloropropene	8.11	75	23031	9.773	ug/l	96
37) Ethyl Acetate	7.29	43	8942	9.957	ug/l #	96
38) Carbon Tetrachloride	8.10	117	24238	9.661	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	27114	9.859	ug/l	88
40) Benzene	8.36	78	64969	10.006	ug/l	99
41) Methacrylonitrile	7.52	41	3633	6.513	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	19255	10.144	ug/l	100
43) Isopropyl Acetate	8.45	43	16116	9.266	ug/l #	58
44) Trichloroethene	9.11	130	17247	9.979	ug/l	96
45) 1,2-Dichloropropane	9.39	63	15999	10.212	ug/l	95
46) Dibromomethane	9.48	93	8676	10.279	ug/l	97
47) Bromodichloromethane	9.67	83	22273	9.691	ug/l #	94
48) Methyl methacrylate	9.46	41	8825	10.383	ug/l #	86
49) 1,4-Dioxane	9.47	88	1729	184.111	ug/l #	73
51) 4-Methyl-2-Pentanone	10.23	43	39608	45.115	ug/l	97
52) Toluene	10.40	92	40049	9.610	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	19599	9.239	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	24613	9.697	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	10643	9.398	ug/l	88
56) Ethyl methacrylate	10.67	69	13064	9.310	ug/l	97
57) 1,3-Dichloropropane	10.94	76	19734	9.828	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	29940	48.746	ug/l	98
59) 2-Hexanone	10.99	43	29597	47.687	ug/l	95
60) Dibromochloromethane	11.14	129	14720	9.638	ug/l	96
61) 1,2-Dibromoethane	11.25	107	10482	9.522	ug/l	96
64) Tetrachloroethene	10.87	164	14119	10.208	ug/l	93
65) Chlorobenzene	11.67	112	41373	9.861	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	14938	9.611	ug/l	97
67) Ethyl Benzene	11.75	91	76186	9.793	ug/l	95
68) m/p-Xylenes	11.86	106	57424	19.349	ug/l	95
69) o-Xylene	12.18	106	25325	9.522	ug/l	95
70) Styrene	12.20	104	43782	9.406	ug/l	99
71) Bromoform	12.37	173	8376	10.116	ug/l #	95
73) Isopropylbenzene	12.48	105	70083	9.718	ug/l	99
74) N-amyl acetate	12.29	43	15410	9.786	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	12011	10.102	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	10707m	12.807	ug/l	
77) Bromobenzene	12.77	156	15926	9.811	ug/l	97
78) n-propylbenzene	12.83	91	83010	9.532	ug/l	99
79) 2-Chlorotoluene	12.91	91	47348	9.894	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	57215	9.522	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	4324	10.649	ug/l	94
82) 4-Chlorotoluene	13.01	91	49256	9.572	ug/l	96
83) tert-Butylbenzene	13.23	119	48889	9.572	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	56344	9.423	ug/l	96
85) sec-Butylbenzene	13.41	105	70388	9.755	ug/l	98
86) p-Isopropyltoluene	13.52	119	62734	9.469	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	30538	9.659	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	32730	10.355	ug/l	96
89) n-Butylbenzene	13.85	91	61192	9.526	ug/l	97
90) Hexachloroethane	14.12	117	13311	9.964	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	27925	10.107	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1947	10.223	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	18172	10.181	ug/l	99
94) Hexachlorobutadiene	15.27	225	9672	9.849	ug/l	92
95) Naphthalene	15.41	128	29310	9.432	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	14991	10.166	ug/l	98

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

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