

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065405.D
 Acq On : 04 Mar 2020 11:04
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:25 PM

Quant Time: Mar 05 01:22:01 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	481955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	732542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	673683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327948	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	42367	10.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	20.38%	
35) Dibromofluoromethane	7.92	113	44610	9.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.64%	
50) Toluene-d8	10.34	98	164911	9.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	18.92%	
62) 4-Bromofluorobenzene	12.64	95	50299	9.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	18.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	50380	12.055	ug/l	100
3) Chloromethane	2.21	50	56294	11.245	ug/l	99
4) Vinyl Chloride	2.36	62	52585	10.623	ug/l	100
5) Bromomethane	2.77	94	36652	11.523	ug/l	95
6) Chloroethane	2.93	64	33046	10.938	ug/l	96
7) Trichlorofluoromethane	3.27	101	80734	11.062	ug/l	98
8) Diethyl Ether	3.71	74	21728	9.971	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	49621	10.563	ug/l	99
10) Methyl Iodide	4.30	142	47814	9.858	ug/l	97
11) Tert butyl alcohol	5.23	59	11572m	51.475	ug/l	
12) 1,1-Dichloroethene	4.06	96	46337	10.309	ug/l	84
13) Acrolein	3.93	56	20024	48.821	ug/l	95
14) Allyl chloride	4.71	41	68120	9.837	ug/l	98
15) Acrylonitrile	5.43	53	45983	48.032	ug/l	99
16) Acetone	4.17	43	40138	47.340	ug/l	94
17) Carbon Disulfide	4.40	76	157124	10.471	ug/l	99
18) Methyl Acetate	4.73	43	20859	9.623	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	80880	9.257	ug/l	97
20) Methylene Chloride	4.97	84	58960	11.217	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	49452	9.863	ug/l	98
22) Diisopropyl ether	6.37	45	127657	9.824	ug/l	97
23) Vinyl Acetate	6.31	43	313748	43.537	ug/l	100
24) 1,1-Dichloroethane	6.27	63	85833	10.399	ug/l	99
25) 2-Butanone	7.23	43	53452	46.080	ug/l	91
26) 2,2-Dichloropropane	7.21	77	72527	10.053	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	50772	9.874	ug/l	97
28) Bromochloromethane	7.55	49	33377	9.968	ug/l	98
29) Tetrahydrofuran	7.57	42	33380	44.795	ug/l	98
30) Chloroform	7.71	83	87631	10.557	ug/l	98
31) Cyclohexane	7.98	56	83122	10.120	ug/l	88
32) 1,1,1-Trichloroethane	7.91	97	79063	10.378	ug/l	98
36) 1,1-Dichloropropene	8.11	75	68386	9.707	ug/l	99
37) Ethyl Acetate	7.30	43	24576	8.913	ug/l	96
38) Carbon Tetrachloride	8.10	117	72558	9.978	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76623	9.103	ug/l	97
40) Benzene	8.36	78	198548	10.054	ug/l	99
41) Methacrylonitrile	7.54	41	12525	8.938	ug/l	88
42) 1,2-Dichloroethane	8.43	62	52965	10.192	ug/l	99
43) Isopropyl Acetate	8.46	43	45332	8.983	ug/l	97
44) Trichloroethene	9.12	130	55038	9.927	ug/l	93
45) 1,2-Dichloropropane	9.40	63	48175	10.044	ug/l	99
46) Dibromomethane	9.48	93	24706	9.907	ug/l	98
47) Bromodichloromethane	9.67	83	66300	10.240	ug/l #	95
48) Methyl methacrylate	9.46	41	20762	8.698	ug/l	100
49) 1,4-Dioxane	9.47	88	4859	169.271	ug/l #	89
51) 4-Methyl-2-Pentanone	10.24	43	114240	44.764	ug/l	97
52) Toluene	10.41	92	120133	9.645	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	57183	9.387	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	71689	9.744	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	34920	9.901	ug/l	97
56) Ethyl methacrylate	10.67	69	34335	8.587	ug/l	97
57) 1,3-Dichloropropane	10.95	76	57343	9.581	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	90726	63.824	ug/l	97
59) 2-Hexanone	10.99	43	74579	42.155	ug/l	98
60) Dibromochloromethane	11.14	129	43985	9.685	ug/l	97
61) 1,2-Dibromoethane	11.26	107	32366	9.609	ug/l	99
64) Tetrachloroethene	10.88	164	46795	9.670	ug/l	99
65) Chlorobenzene	11.67	112	134150	10.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	48735	9.960	ug/l	99
67) Ethyl Benzene	11.75	91	214932	9.303	ug/l	96
68) m/p-Xylenes	11.86	106	168804	18.952	ug/l	98
69) o-Xylene	12.19	106	71940	9.183	ug/l	98
70) Styrene	12.20	104	127870	9.253	ug/l	99
71) Bromoform	12.37	173	26649	9.655	ug/l #	99
73) Isopropylbenzene	12.48	105	192933	8.958	ug/l	99
74) N-amyl acetate	12.30	43	37872	8.515	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36831	9.639	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	24557m	5.422	ug/l	
77) Bromobenzene	12.77	156	51962	9.621	ug/l	98
78) n-propylbenzene	12.83	91	237872	9.280	ug/l	99
79) 2-Chlorotoluene	12.91	91	139309	9.661	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	166534	9.392	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	10892	8.862	ug/l	95
82) 4-Chlorotoluene	13.01	91	145712	9.584	ug/l	99
83) tert-Butylbenzene	13.23	119	134818	9.005	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	164317	9.387	ug/l	100
85) sec-Butylbenzene	13.41	105	197345	9.235	ug/l	99
86) p-Isopropyltoluene	13.53	119	177276	9.088	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	101470	9.838	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	101019	9.818	ug/l	96
89) n-Butylbenzene	13.86	91	162468	9.025	ug/l	98
90) Hexachloroethane	14.13	117	38844	9.644	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	85816	9.705	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5797	9.884	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	54221	9.116	ug/l	100
94) Hexachlorobutadiene	15.28	225	35708	9.177	ug/l	95
95) Naphthalene	15.41	128	74158	7.753	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	47318	9.159	ug/l	100

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

