

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059782.D
 Acq On : 14 Aug 2018 23:54
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 15 08:12:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:11:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	241684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	326622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	275239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	149540	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	30452	8.28	ug/l	0.00
Spiked Amount			Recovery	=	16.56%	
35) Dibromofluoromethane	5.53	113	28655	8.76	ug/l	0.00
Spiked Amount			Recovery	=	17.52%	
50) Toluene-d8	8.70	98	66307	9.91	ug/l	0.00
Spiked Amount			Recovery	=	19.82%	
62) 4-Bromofluorobenzene	11.93	95	29846	9.14	ug/l	0.00
Spiked Amount			Recovery	=	18.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	27670	7.95	ug/l	98
3) Chloromethane	1.47	50	14632	10.47	ug/l	89
4) Vinyl Chloride	1.54	62	14952	8.71	ug/l	99
5) Bromomethane	1.78	94	6448	9.10	ug/l #	74
6) Chloroethane	1.88	64	8050	9.44	ug/l	99
7) Trichlorofluoromethane	2.08	101	27909	7.89	ug/l	98
8) Diethyl Ether	2.34	74	4669	8.10	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.54	101	15383	8.40	ug/l	98
10) Methyl Iodide	2.68	142	11877	6.00	ug/l	95
11) Tert butyl alcohol	3.25	59	5065	39.51	ug/l #	74
12) 1,1-Dichloroethene	2.53	96	10308	7.84	ug/l	93
13) Acrolein	2.46	56	2982	35.77	ug/l #	76
14) Allyl chloride	2.91	41	26869	9.14	ug/l	93
15) Acrylonitrile	3.34	53	17801	53.83	ug/l	98
16) Acetone	2.60	43	20851	35.94	ug/l	99
17) Carbon Disulfide	2.75	76	30481	6.97	ug/l	99
18) Methyl Acetate	2.93	43	8287	7.02	ug/l	96
19) Methyl tert-butyl Ether	3.39	73	51426	9.75	ug/l	97
20) Methylene Chloride	3.07	84	16179	9.40	ug/l	95
21) trans-1,2-Dichloroethene	3.38	96	20655	11.44	ug/l	89
22) Diisopropyl ether	4.06	45	71645	12.02	ug/l #	96
23) Vinyl Acetate	4.01	43	205914	53.03	ug/l	98
24) 1,1-Dichloroethane	3.96	63	43412	10.28	ug/l	96
25) 2-Butanone	4.83	43	30933	46.04	ug/l #	88
26) 2,2-Dichloropropane	4.80	77	40268	8.48	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	23773	11.14	ug/l	95
28) Bromochloromethane	5.13	49	17764	11.55	ug/l	90
29) Tetrahydrofuran	5.18	42	15186	59.28	ug/l	94
30) Chloroform	5.31	83	52016	9.50	ug/l	91
31) Cyclohexane	5.58	56	32561	12.89	ug/l	88
32) 1,1,1-Trichloroethane	5.51	97	44147	7.98	ug/l	99
36) 1,1-Dichloropropene	5.73	75	32100	8.72	ug/l	92
37) Ethyl Acetate	4.91	43	15190	9.28	ug/l #	88
38) Carbon Tetrachloride	5.71	117	38627	6.90	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	27695	9.82	ug/l	97
40) Benzene	6.01	78	70089	10.51	ug/l	96
41) Methacrylonitrile	5.12	41	6819	8.56	ug/l #	86
42) 1,2-Dichloroethane	6.11	62	36689	7.45	ug/l	98
43) Isopropyl Acetate	7.61	43	19415	9.34	ug/l	96
44) Trichloroethene	6.97	130	23606	9.11	ug/l	96
45) 1,2-Dichloropropane	7.33	63	17447	10.14	ug/l	98
46) Dibromomethane	7.45	93	14528	8.46	ug/l	98
47) Bromodichloromethane	7.74	83	35205	7.83	ug/l	99
48) Methyl methacrylate	7.49	41	12106	8.11	ug/l	96
49) 1,4-Dioxane	7.48	88	1622	152.68	ug/l #	86
51) 4-Methyl-2-Pentanone	8.58	43	67321	42.09	ug/l	100
52) Toluene	8.79	92	46182	10.75	ug/l	96
53) t-1,3-Dichloropropene	9.18	75	28666	7.90	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	33153	9.19	ug/l	89
55) 1,1,2-Trichloroethane	9.45	97	16953	10.17	ug/l	97
56) Ethyl methacrylate	9.30	69	16552	8.71	ug/l	98
57) 1,3-Dichloropropane	9.66	76	26186	9.60	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.18	63	46229	53.00	ug/l	98
59) 2-Hexanone	9.77	43	46459	39.45	ug/l	98
60) Dibromochloromethane	9.95	129	23152	7.54	ug/l	99
61) 1,2-Dibromoethane	10.09	107	17854	8.80	ug/l	96
64) Tetrachloroethene	9.51	164	22055	8.38	ug/l	96
65) Chlorobenzene	10.72	112	55447	9.96	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.85	131	21715	7.98	ug/l	95
67) Ethyl Benzene	10.86	91	95626	9.29	ug/l	95
68) m/p-Xylenes	11.00	106	63245	18.76	ug/l	96
69) o-Xylene	11.40	106	32254	9.90	ug/l	93
70) Styrene	11.43	104	57063	10.57	ug/l	99
71) Bromoform	11.59	173	14241	7.01	ug/l	96
73) Isopropylbenzene	11.77	105	93144	9.27	ug/l	95
74) N-amyl acetate	11.64	43	27269	9.40	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	18798	10.10	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	20905	9.69	ug/l	96
77) Bromobenzene	12.04	156	26626	9.06	ug/l	90
78) n-propylbenzene	12.15	91	121552	9.92	ug/l	96
79) 2-Chlorotoluene	12.21	91	73182	9.46	ug/l	90
80) 1,3,5-Trimethylbenzene	12.31	105	74777	8.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	4418	8.84	ug/l	86
82) 4-Chlorotoluene	12.32	91	84749	9.39	ug/l	95
83) tert-Butylbenzene	12.57	119	86554	9.20	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	82490	9.26	ug/l	99
85) sec-Butylbenzene	12.76	105	101439	10.04	ug/l	96
86) p-Isopropyltoluene	12.88	119	84213	9.33	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	49769	10.02	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	48173	9.62	ug/l	98
89) n-Butylbenzene	13.19	91	87502	9.71	ug/l	99
90) Hexachloroethane	13.39	117	19601	8.46	ug/l	90
91) 1,2-Dichlorobenzene	13.19	146	43105	10.13	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.77	75	2800	6.35	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	33441	8.46	ug/l	97
94) Hexachlorobutadiene	14.43	225	24605	7.60	ug/l	98
95) Naphthalene	14.52	128	48909	9.06	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	29216	8.65	ug/l	96

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

