

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
 Data File : VD059575.D
 Acq On : 24 Jul 2018 17:17
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 25 05:39:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 05:39:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	135023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	194135	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	155955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	76970	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.98	65	18150	18.66	ug/l	0.00
Spiked Amount			Recovery	=	37.32%	
35) Dibromofluoromethane	5.50	113	16276	10.78	ug/l	0.00
Spiked Amount			Recovery	=	21.56%	
50) Toluene-d8	8.68	98	38804	11.31	ug/l	0.00
Spiked Amount			Recovery	=	22.62%	
62) 4-Bromofluorobenzene	11.92	95	17608	12.76	ug/l	0.00
Spiked Amount			Recovery	=	25.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.31	85	22203	20.747	ug/l	100
3) Chloromethane	1.45	50	10014	18.558	ug/l	96
4) Vinyl Chloride	1.53	62	10471	19.975	ug/l	98
5) Bromomethane	1.76	94	1682	20.548	ug/l	86
6) Chloroethane	1.83	64	4694	23.957	ug/l	98
7) Trichlorofluoromethane	2.04	101	17529	18.617	ug/l	98
8) Diethyl Ether	2.31	74	2957	18.210	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.51	101	9049	17.737	ug/l #	81
10) Methyl Iodide	2.65	142	10086	15.083	ug/l	93
11) Tert butyl alcohol	3.22	59	3653	114.282	ug/l #	80
12) 1,1-Dichloroethene	2.50	96	5972	14.778	ug/l #	76
13) Acrolein	2.44	56	1999	61.104	ug/l #	75
14) Allyl chloride	2.88	41	15326	20.634	ug/l	99
15) Acrylonitrile	3.32	53	7799	96.406	ug/l #	90
16) Acetone	2.58	43	13811	115.708	ug/l	99
17) Carbon Disulfide	2.72	76	23814	16.718	ug/l	97
18) Methyl Acetate	2.90	43	5321	14.603	ug/l	99
19) Methyl tert-butyl Ether	3.36	73	22745	16.267	ug/l #	90
20) Methylene Chloride	3.02	84	9005	15.678	ug/l	94
21) trans-1,2-Dichloroethene	3.34	96	6611	13.186	ug/l	97
22) Diisopropyl ether	4.03	45	43958	18.051	ug/l	96
23) Vinyl Acetate	3.97	43	144748	115.481	ug/l	99
24) 1,1-Dichloroethane	3.93	63	27290	16.793	ug/l #	91
25) 2-Butanone	4.80	43	22587	96.108	ug/l	97
26) 2,2-Dichloropropane	4.76	77	27535	25.246	ug/l	93
27) cis-1,2-Dichloroethene	4.76	96	14957	14.855	ug/l	96
28) Bromochloromethane	5.10	49	9784	16.581	ug/l #	81
29) Tetrahydrofuran	5.15	42	10572	90.928	ug/l	97
30) Chloroform	5.28	83	32819	17.578	ug/l	97
31) Cyclohexane	5.54	56	23392	20.850	ug/l	94
32) 1,1,1-Trichloroethane	5.47	97	30075	18.020	ug/l	98
36) 1,1-Dichloropropene	5.71	75	21975	13.572	ug/l	95
37) Ethyl Acetate	4.88	43	10277	14.381	ug/l #	90
38) Carbon Tetrachloride	5.68	117	28895	14.337	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	20359	12.971	ug/l	97
40) Benzene	5.98	78	43807	11.658	ug/l	99
41) Methacrylonitrile	5.08	41	5078	14.162	ug/l	87
42) 1,2-Dichloroethane	6.09	62	24939	15.476	ug/l	95
43) Isopropyl Acetate	7.59	43	14571	14.764	ug/l	98
44) Trichloroethene	6.95	130	16469	9.992	ug/l	92
45) 1,2-Dichloropropane	7.31	63	12360	12.944	ug/l	90
46) Dibromomethane	7.42	93	9955	13.301	ug/l	97
47) Bromodichloromethane	7.71	83	24575	13.986	ug/l	96
48) Methyl methacrylate	7.47	41	9293	14.060	ug/l	98
49) 1,4-Dioxane	7.46	88	1631	232.146	ug/l	89
51) 4-Methyl-2-Pentanone	8.56	43	51714	78.080	ug/l	99
52) Toluene	8.77	92	30956	12.818	ug/l	91
53) t-1,3-Dichloropropene	9.15	75	24834	17.696	ug/l	97
54) cis-1,3-Dichloropropene	8.33	75	22203	14.391	ug/l	93
55) 1,1,2-Trichloroethane	9.43	97	11121	12.755	ug/l	96
56) Ethyl methacrylate	9.29	69	11500	12.136	ug/l	91
57) 1,3-Dichloropropane	9.64	76	16904	12.491	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.16	63	28054	65.299	ug/l	97
59) 2-Hexanone	9.75	43	38370	80.707	ug/l	91
60) Dibromochloromethane	9.93	129	17192	10.988	ug/l	98
61) 1,2-Dibromoethane	10.07	107	12212	11.903	ug/l	96
64) Tetrachloroethene	9.49	164	15323	7.326	ug/l	95
65) Chlorobenzene	10.70	112	36071	11.744	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.83	131	15386	11.758	ug/l	97
67) Ethyl Benzene	10.84	91	62784	13.663	ug/l	99
68) m/p-Xylenes	10.99	106	42258	25.201	ug/l	88
69) o-Xylene	11.39	106	20695	12.685	ug/l	100
70) Styrene	11.42	104	34039	12.626	ug/l	93
71) Bromoform	11.58	173	11158	9.244	ug/l #	95
73) Isopropylbenzene	11.76	105	61126	14.820	ug/l	97
74) N-amyl acetate	11.63	43	20740	18.804	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.06	83	11964	14.395	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	14079	16.435	ug/l	95
77) Bromobenzene	12.03	156	17788	11.040	ug/l	82
78) n-propylbenzene	12.13	91	75904	15.902	ug/l	97
79) 2-Chlorotoluene	12.20	91	44344	15.609	ug/l	94
80) 1,3,5-Trimethylbenzene	12.30	105	49985	15.666	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.83	75	3752	20.034	ug/l	97
82) 4-Chlorotoluene	12.31	91	53969	17.082	ug/l	97
83) tert-Butylbenzene	12.56	119	54453	15.582	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	49941	15.074	ug/l	95
85) sec-Butylbenzene	12.74	105	62123	15.748	ug/l	99
86) p-Isopropyltoluene	12.87	119	53041	14.694	ug/l	99
87) 1,3-Dichlorobenzene	12.82	146	31045	11.901	ug/l	97
88) 1,4-Dichlorobenzene	12.91	146	28075	10.982	ug/l	98
89) n-Butylbenzene	13.19	91	54542	18.081	ug/l	97
90) Hexachloroethane	13.38	117	13412	13.874	ug/l	81
91) 1,2-Dichlorobenzene	13.18	146	27300	12.654	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	2281	16.365	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	21249	11.336	ug/l	92
94) Hexachlorobutadiene	14.43	225	16836	12.229	ug/l	95
95) Naphthalene	14.51	128	29240	12.875	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	18894	11.325	ug/l	93

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

