

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
 Data File : VD059733.D
 Acq On : 10 Aug 2018 17:12
 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: Aug 11 05:00:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 04:59:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	145685	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	180750	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	140589	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.92	152	85306	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	23859	12.36	ug/l	0.01
Spiked Amount			Recovery	=	24.72%	
35) Dibromofluoromethane	5.54	113	18563	11.21	ug/l	0.00
Spiked Amount			Recovery	=	22.42%	
50) Toluene-d8	8.71	98	37507	10.57	ug/l	0.01
Spiked Amount			Recovery	=	21.14%	
62) 4-Bromofluorobenzene	11.94	95	18317	10.93	ug/l	0.02
Spiked Amount			Recovery	=	21.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	22451	11.03	ug/l	90
3) Chloromethane	1.47	50	7457	8.39	ug/l	97
4) Vinyl Chloride	1.55	62	10127	9.72	ug/l	89
5) Bromomethane	1.77	94	5097	14.44	ug/l	93
6) Chloroethane	1.87	64	5641	12.73	ug/l	93
7) Trichlorofluoromethane	2.07	101	24227	13.56	ug/l	92
8) Diethyl Ether	2.33	74	3391	10.50	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.54	101	11564	11.68	ug/l	97
10) Methyl Iodide	2.68	142	10502	9.19	ug/l	90
11) Tert butyl alcohol	3.24	59	3570	51.96	ug/l #	75
12) 1,1-Dichloroethene	2.53	96	8034	11.24	ug/l #	86
13) Acrolein	2.46	56	2356	39.22	ug/l	99
14) Allyl chloride	2.90	41	17532	10.62	ug/l	90
15) Acrylonitrile	3.34	53	9585	50.20	ug/l	96
16) Acetone	2.60	43	16747	46.90	ug/l	95
17) Carbon Disulfide	2.74	76	23838	9.24	ug/l	98
18) Methyl Acetate	2.92	43	5993	9.00	ug/l	97
19) Methyl tert-butyl Ether	3.40	73	29962	10.78	ug/l	99
20) Methylene Chloride	3.05	84	12087	8.79	ug/l #	86
21) trans-1,2-Dichloroethene	3.37	96	9667	10.29	ug/l	87
22) Diisopropyl ether	4.05	45	34053	9.04	ug/l #	88
23) Vinyl Acetate	4.01	43	119260	49.22	ug/l	98
24) 1,1-Dichloroethane	3.96	63	25221	10.04	ug/l #	98
25) 2-Butanone	4.82	43	17202	38.18	ug/l	98
26) 2,2-Dichloropropane	4.78	77	30126	11.07	ug/l	96
27) cis-1,2-Dichloroethene	4.79	96	12478	9.42	ug/l	98
28) Bromochloromethane	5.14	49	8551	9.06	ug/l	95
29) Tetrahydrofuran	5.18	42	7099	40.46	ug/l	94
30) Chloroform	5.31	83	34919	11.19	ug/l	93
31) Cyclohexane	5.58	56	16736	9.15	ug/l	91
32) 1,1,1-Trichloroethane	5.50	97	33791	11.04	ug/l	96
36) 1,1-Dichloropropene	5.74	75	20777	10.33	ug/l	95
37) Ethyl Acetate	4.92	43	7874	8.06	ug/l #	85
38) Carbon Tetrachloride	5.72	117	32318	11.63	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	13918	8.37	ug/l	89
40) Benzene	6.01	78	35728	9.31	ug/l	97
41) Methacrylonitrile	5.12	41	3775	8.48	ug/l	88
42) 1,2-Dichloroethane	6.13	62	28816	11.54	ug/l	99
43) Isopropyl Acetate	7.62	43	9859	7.83	ug/l	91
44) Trichloroethene	6.99	130	14149	9.87	ug/l	85
45) 1,2-Dichloropropane	7.35	63	9378	9.27	ug/l	99
46) Dibromomethane	7.46	93	9309	10.28	ug/l	94
47) Bromodichloromethane	7.74	83	25584	10.99	ug/l	96
48) Methyl methacrylate	7.51	41	7375	8.69	ug/l	99
49) 1,4-Dioxane	7.49	88	529	82.13	ug/l #	54
51) 4-Methyl-2-Pentanone	8.60	43	39620	42.60	ug/l	97
52) Toluene	8.81	92	23222	9.45	ug/l	83
53) t-1,3-Dichloropropene	9.19	75	20433	10.50	ug/l	95
54) cis-1,3-Dichloropropene	8.36	75	20801	10.55	ug/l	86
55) 1,1,2-Trichloroethane	9.46	97	8830	9.24	ug/l	97
56) Ethyl methacrylate	9.31	69	12564	12.03	ug/l #	73
57) 1,3-Dichloropropane	9.67	76	15574	10.47	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	24269	48.28	ug/l	93
59) 2-Hexanone	9.79	43	27042	38.68	ug/l	97
60) Dibromochloromethane	9.97	129	17505	11.26	ug/l	86
61) 1,2-Dibromoethane	10.09	107	10706	9.70	ug/l	98
64) Tetrachloroethene	9.51	164	14391	10.77	ug/l	94
65) Chlorobenzene	10.73	112	30098	10.18	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	15667	11.74	ug/l	90
67) Ethyl Benzene	10.86	91	57675	10.77	ug/l	95
68) m/p-Xylenes	11.02	106	36695	21.63	ug/l	97
69) o-Xylene	11.41	106	18254	11.01	ug/l	96
70) Styrene	11.44	104	29108	10.50	ug/l	95
71) Bromoform	11.61	173	10435	10.37	ug/l #	98
73) Isopropylbenzene	11.78	105	57866	10.23	ug/l	95
74) N-amyl acetate	11.66	43	15220	8.53	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.08	83	9403	8.33	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	11399	8.69	ug/l	100
77) Bromobenzene	12.05	156	17301	10.46	ug/l	83
78) n-propylbenzene	12.16	91	68325	9.76	ug/l	97
79) 2-Chlorotoluene	12.23	91	45408	10.69	ug/l	88
80) 1,3,5-Trimethylbenzene	12.33	105	49995	10.56	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	2180	7.06	ug/l	96
82) 4-Chlorotoluene	12.34	91	52077	10.44	ug/l	98
83) tert-Butylbenzene	12.58	119	54164	10.29	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	50117	9.97	ug/l	95
85) sec-Butylbenzene	12.77	105	57164	9.76	ug/l	91
86) p-Isopropyltoluene	12.90	119	53667	10.73	ug/l	95
87) 1,3-Dichlorobenzene	12.85	146	27856	9.71	ug/l	97
88) 1,4-Dichlorobenzene	12.94	146	28657	10.10	ug/l	94
89) n-Butylbenzene	13.20	91	51978	10.31	ug/l	96
90) Hexachloroethane	13.41	117	12240	9.38	ug/l	97
91) 1,2-Dichlorobenzene	13.20	146	24278	10.11	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	2645	11.05	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	22786	10.40	ug/l	93
94) Hexachlorobutadiene	14.44	225	19308	11.30	ug/l	100
95) Naphthalene	14.52	128	30497	9.56	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	18048	9.55	ug/l	93

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

