

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
 Data File : VD059574.D
 Acq On : 24 Jul 2018 16:48
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 25 05:39:24 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	5.61	168	156208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	200133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	166583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	82247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	9787	8.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.40%	
35) Dibromofluoromethane	5.51	113	8952	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	
50) Toluene-d8	8.68	98	23192	6.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.12%	
62) 4-Bromofluorobenzene	11.91	95	9877	6.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.32	85	10766	8.696	ug/l 98
3) Chloromethane	1.46	50	5282	8.461	ug/l 97
4) Vinyl Chloride	1.52	62	5004	8.251	ug/l 99
5) Bromomethane	1.75	94	799	8.437	ug/l 80
6) Chloroethane	1.84	64	1659	7.319	ug/l # 83
7) Trichlorofluoromethane	2.05	101	7933	7.283	ug/l 97
8) Diethyl Ether	2.32	74	1135	6.042	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.52	101	3968	6.723	ug/l 97
10) Methyl Iodide	2.66	142	3818	4.935	ug/l # 75
11) Tert butyl alcohol	3.24	59	1574	42.564	ug/l # 80
12) 1,1-Dichloroethene	2.51	96	2765	5.914	ug/l 93
13) Acrolein	2.44	56	831	21.956	ug/l # 64
14) Allyl chloride	2.88	41	7230	8.414	ug/l 96
15) Acrylonitrile	3.31	53	3403	36.361	ug/l 90
16) Acetone	2.58	43	7145	51.742	ug/l # 84
17) Carbon Disulfide	2.71	76	12275	7.449	ug/l 97
18) Methyl Acetate	2.90	43	3038	7.207	ug/l # 83
19) Methyl tert-butyl Ether	3.36	73	10142	6.270	ug/l # 91
20) Methylene Chloride	3.03	84	4484	6.748	ug/l 90
21) trans-1,2-Dichloroethene	3.33	96	3006	5.183	ug/l 96
22) Diisopropyl ether	4.02	45	22663	8.044	ug/l 98
23) Vinyl Acetate	3.97	43	68073	46.944	ug/l 99
24) 1,1-Dichloroethane	3.92	63	12534	6.667	ug/l # 91
25) 2-Butanone	4.80	43	11918	43.834	ug/l 94
26) 2,2-Dichloropropane	4.75	77	13794	10.932	ug/l 94
27) cis-1,2-Dichloroethene	4.76	96	7036	6.040	ug/l 96
28) Bromochloromethane	5.09	49	4938	7.233	ug/l # 75
29) Tetrahydrofuran	5.15	42	5103	37.937	ug/l 92
30) Chloroform	5.28	83	15870	7.347	ug/l 89
31) Cyclohexane	5.55	56	13430	10.347	ug/l 87
32) 1,1,1-Trichloroethane	5.47	97	14487	7.503	ug/l 92
36) 1,1-Dichloropropene	5.70	75	10494	6.287	ug/l 90
37) Ethyl Acetate	4.89	43	5592	7.591	ug/l # 71
38) Carbon Tetrachloride	5.69	117	14180	6.825	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	10038	6.204	ug/l	89
40) Benzene	5.98	78	23547	6.079	ug/l	95
41) Methacrylonitrile	5.09	41	2842	7.688	ug/l #	77
42) 1,2-Dichloroethane	6.09	62	12199	7.343	ug/l	85
43) Isopropyl Acetate	7.58	43	6952	6.833	ug/l #	89
44) Trichloroethene	6.95	130	7424	4.369	ug/l	90
45) 1,2-Dichloropropane	7.32	63	6176	6.274	ug/l	93
46) Dibromomethane	7.43	93	5012	6.496	ug/l	82
47) Bromodichloromethane	7.71	83	11414	6.301	ug/l	93
48) Methyl methacrylate	7.48	41	4619	6.779	ug/l	96
49) 1,4-Dioxane	7.46	88	377	52.052	ug/l #	21
51) 4-Methyl-2-Pentanone	8.57	43	25834	37.836	ug/l	99
52) Toluene	8.77	92	15045	6.043	ug/l	99
53) t-1,3-Dichloropropene	9.16	75	9834	6.797	ug/l	99
54) cis-1,3-Dichloropropene	8.33	75	10994	6.912	ug/l	88
55) 1,1,2-Trichloroethane	9.42	97	5410	6.019	ug/l	94
56) Ethyl methacrylate	9.29	69	5308	5.434	ug/l	94
57) 1,3-Dichloropropane	9.64	76	8785	6.297	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.15	63	15564	35.141	ug/l	97
59) 2-Hexanone	9.77	43	24067	49.105	ug/l	100
60) Dibromochloromethane	9.93	129	8003	4.962	ug/l	100
61) 1,2-Dibromoethane	10.07	107	6112	5.779	ug/l	92
64) Tetrachloroethene	9.48	164	7769	3.477	ug/l	95
65) Chlorobenzene	10.70	112	18334	5.588	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.83	131	7947	5.686	ug/l	88
67) Ethyl Benzene	10.84	91	32793	6.681	ug/l	100
68) m/p-Xylenes	11.00	106	21533	12.022	ug/l	92
69) o-Xylene	11.39	106	10672	6.124	ug/l	88
70) Styrene	11.41	104	17566	6.100	ug/l	90
71) Bromoform	11.59	173	5348	4.148	ug/l	97
73) Isopropylbenzene	11.75	105	33209	7.535	ug/l	98
74) N-amyl acetate	11.63	43	10081	8.554	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.06	83	6179	6.958	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	6573	7.181	ug/l	96
77) Bromobenzene	12.02	156	9168	5.325	ug/l	89
78) n-propylbenzene	12.14	91	38681	7.584	ug/l	96
79) 2-Chlorotoluene	12.20	91	23074	7.601	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	25902	7.597	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.82	75	1455	7.270	ug/l	94
82) 4-Chlorotoluene	12.32	91	26602	7.880	ug/l	98
83) tert-Butylbenzene	12.56	119	27917	7.476	ug/l	91
84) 1,2,4-Trimethylbenzene	12.61	105	27179	7.677	ug/l	99
85) sec-Butylbenzene	12.74	105	33684	7.991	ug/l	92
86) p-Isopropyltoluene	12.88	119	26705	6.923	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	15889	5.700	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	15406	5.640	ug/l	98
89) n-Butylbenzene	13.18	91	26718	8.289	ug/l	97
90) Hexachloroethane	13.39	117	6880	6.660	ug/l	93
91) 1,2-Dichlorobenzene	13.18	146	13722	5.952	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	1010	6.781	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	10918	5.451	ug/l	93
94) Hexachlorobutadiene	14.42	225	8118	5.518	ug/l	94
95) Naphthalene	14.51	128	15006	6.184	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	9471	5.313	ug/l	96

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

