

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061918\
 Data File : VD058195.D
 Acq On : 19 Jun 2018 15:34
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 20 05:01:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:00:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	996454	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	1245670	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1012220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	513800	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	45047	4.43	ug/l	0.01
Spiked Amount	50.000		Recovery	=	8.86%	
35) Dibromofluoromethane	5.55	113	47755	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
50) Toluene-d8	8.71	98	111804	4.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.44%	
62) 4-Bromofluorobenzene	11.93	95	48231	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.34	85	46039	3.59	ug/l	89
3) Chloromethane	1.47	50	28453	4.50	ug/l	93
4) Vinyl Chloride	1.55	62	28019	4.53	ug/l #	88
5) Bromomethane	1.79	94	14183	6.06	ug/l	88
6) Chloroethane	1.88	64	11233	4.72	ug/l	92
7) Trichlorofluoromethane	2.08	101	39301	4.70	ug/l	98
8) Diethyl Ether	2.34	74	7200	4.52	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.55	101	24578	4.87	ug/l	87
10) Methyl Iodide	2.68	142	23297	3.60	ug/l #	94
11) Tert butyl alcohol	3.26	59	9115	33.32	ug/l #	68
12) 1,1-Dichloroethene	2.54	96	18361	4.74	ug/l	85
13) Acrolein	2.47	56	5737	16.72	ug/l #	80
14) Allyl chloride	2.92	41	40934	4.52	ug/l #	95
15) Acrylonitrile	3.35	53	22299	15.26	ug/l #	90
16) Acetone	2.62	43	37614	26.18	ug/l	96
17) Carbon Disulfide	2.75	76	63223	4.55	ug/l	99
18) Methyl Acetate	2.93	43	18175	6.38	ug/l	94
19) Methyl tert-butyl Ether	3.40	73	44264	2.74	ug/l	98
20) Methylene Chloride	3.07	84	28740	5.96	ug/l	99
21) trans-1,2-Dichloroethene	3.38	96	19790	2.48	ug/l #	93
22) Diisopropyl ether	4.07	45	167917	4.73	ug/l	97
23) Vinyl Acetate	4.01	43	392123	21.17	ug/l	98
24) 1,1-Dichloroethane	3.97	63	88897	4.55	ug/l	99
25) 2-Butanone	4.84	43	81847	25.38	ug/l	98
26) 2,2-Dichloropropane	4.79	77	81454	5.07	ug/l	89
27) cis-1,2-Dichloroethene	4.80	96	49563	4.80	ug/l	94
28) Bromochloromethane	5.15	49	34219	4.00	ug/l	97
29) Tetrahydrofuran	5.20	42	43916	25.65	ug/l	96
30) Chloroform	5.32	83	93911	4.75	ug/l	92
31) Cyclohexane	5.59	56	97484	5.77	ug/l	92
32) 1,1,1-Trichloroethane	5.51	97	79389	4.79	ug/l	99
36) 1,1-Dichloropropene	5.74	75	71532	5.32	ug/l	96
37) Ethyl Acetate	4.93	43	36495	4.86	ug/l	98
38) Carbon Tetrachloride	5.73	117	64270	4.83	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	69811	5.28	ug/l	96
40) Benzene	6.01	78	173877	5.53	ug/l	95
41) Methacrylonitrile	5.13	41	16839	4.94	ug/l #	88
42) 1,2-Dichloroethane	6.13	62	62832	4.93	ug/l	98
43) Isopropyl Acetate	7.63	43	46424	4.72	ug/l #	98
44) Trichloroethene	6.99	130	48677	5.30	ug/l	94
45) 1,2-Dichloropropane	7.35	63	43796	5.01	ug/l	97
46) Dibromomethane	7.47	93	26308	4.62	ug/l	86
47) Bromodichloromethane	7.74	83	63454	4.83	ug/l	99
48) Methyl methacrylate	7.51	41	29307	4.86	ug/l	96
49) 1,4-Dioxane	7.49	88	4242	82.26	ug/l #	83
51) 4-Methyl-2-Pentanone	8.60	43	160044	25.35	ug/l	95
52) Toluene	8.80	92	94042	5.21	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	51596	4.52	ug/l	97
54) cis-1,3-Dichloropropene	8.37	75	62672	4.67	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	33296	5.59	ug/l	91
56) Ethyl methacrylate	9.32	69	35633	4.87	ug/l	95
57) 1,3-Dichloropropane	9.66	76	55944	5.42	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	90723	24.45	ug/l	96
59) 2-Hexanone	9.79	43	115039	24.99	ug/l	95
60) Dibromochloromethane	9.96	129	40374	4.84	ug/l	85
61) 1,2-Dibromoethane	10.10	107	34048	4.98	ug/l	99
64) Tetrachloroethene	9.52	164	46910	5.25	ug/l	91
65) Chlorobenzene	10.73	112	108807	5.41	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.85	131	36201	4.68	ug/l	96
67) Ethyl Benzene	10.86	91	198448	5.49	ug/l	93
68) m/p-Xylenes	11.01	106	131953	11.13	ug/l	99
69) o-Xylene	11.41	106	60591	5.20	ug/l	90
70) Styrene	11.44	104	102569	5.29	ug/l	99
71) Bromoform	11.60	173	24286	4.09	ug/l	96
73) Isopropylbenzene	11.77	105	181047	5.43	ug/l	98
74) N-amyl acetate	11.65	43	61338	4.69	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	38294	5.14	ug/l	87
76) 1,2,3-Trichloropropane	12.12	75	40930	5.28	ug/l	91
77) Bromobenzene	12.05	156	52536	5.30	ug/l	96
78) n-propylbenzene	12.16	91	234597	5.38	ug/l	97
79) 2-Chlorotoluene	12.21	91	127769	5.14	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	140417	5.35	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	8796	4.60	ug/l	95
82) 4-Chlorotoluene	12.33	91	155632	5.67	ug/l	100
83) tert-Butylbenzene	12.58	119	157062	5.32	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	152589	5.44	ug/l	99
85) sec-Butylbenzene	12.76	105	188424	5.28	ug/l	99
86) p-Isopropyltoluene	12.88	119	144154	5.05	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	91611	5.44	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	92290	5.59	ug/l	90
89) n-Butylbenzene	13.20	91	159196	5.35	ug/l	96
90) Hexachloroethane	13.41	117	35126	4.79	ug/l	76
91) 1,2-Dichlorobenzene	13.20	146	78212	5.65	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	5101	4.43	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	68083	5.27	ug/l	93
94) Hexachlorobutadiene	14.44	225	56981	5.66	ug/l	97
95) Naphthalene	14.52	128	85229	5.03	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	64140	5.80	ug/l	91

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

