

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060653.D
 Acq On : 20 Dec 2018 10:58
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:32:21 AM

Quant Time: Dec 20 14:56:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1524439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2072609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1662291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	864213	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	53921	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
35) Dibromofluoromethane	6.33	113	77248	5.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.32%	
50) Toluene-d8	9.46	98	229325	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	
62) 4-Bromofluorobenzene	12.42	95	80517	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	87833	3.995	ug/l	98
3) Chloromethane	1.77	50	90048	4.985	ug/l	95
4) Vinyl Chloride	1.88	62	66359	4.474	ug/l	99
5) Bromomethane	2.17	94	22092	5.729	ug/l	95
6) Chloroethane	2.28	64	23214	4.715	ug/l	99
7) Trichlorofluoromethane	2.53	101	76686	4.482	ug/l	95
8) Diethyl Ether	2.84	74	11874	4.268	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.11	101	50717	4.780	ug/l	92
10) Methyl Iodide	3.27	142	42579	3.504	ug/l	99
11) Tert butyl alcohol	3.98	59	9375	19.948	ug/l #	74
12) 1,1-Dichloroethene	3.09	96	43629	5.091	ug/l	97
13) Acrolein	3.00	56	11435	27.817	ug/l	100
14) Allyl chloride	3.55	41	73641	4.519	ug/l	93
15) Acrylonitrile	4.10	53	57681	21.660	ug/l	93
16) Acetone	3.17	43	45416	23.370	ug/l	94
17) Carbon Disulfide	3.34	76	126608	4.414	ug/l	99
18) Methyl Acetate	3.56	43	24202	4.981	ug/l #	93
19) Methyl tert-butyl Ether	4.13	73	90414	3.929	ug/l	99
20) Methylene Chloride	3.74	84	119299	6.859	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	79268	4.378	ug/l	96
22) Diisopropyl ether	4.86	45	238845	4.320	ug/l	97
23) Vinyl Acetate	4.81	43	563981	20.770	ug/l	98
24) 1,1-Dichloroethane	4.76	63	127157	4.390	ug/l	100
25) 2-Butanone	5.62	43	76557	19.909	ug/l	99
26) 2,2-Dichloropropane	5.60	77	102367	4.435	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	78491	4.230	ug/l	95
28) Bromochloromethane	5.93	49	59726	4.952	ug/l	99
29) Tetrahydrofuran	5.95	42	45188	21.410	ug/l	93
30) Chloroform	6.10	83	127028	4.340	ug/l	97
31) Cyclohexane	6.37	56	141137	5.053	ug/l	96
32) 1,1,1-Trichloroethane	6.30	97	104117	4.284	ug/l	96
36) 1,1-Dichloropropene	6.52	75	106254	4.802	ug/l	98
37) Ethyl Acetate	5.70	43	41123	4.503	ug/l	97
38) Carbon Tetrachloride	6.50	117	91528	4.585	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	112839	4.348	ug/l	95
40) Benzene	6.80	78	264532	4.608	ug/l	97
41) Methacrylonitrile	5.93	41	20013m	3.698	ug/l	
42) 1,2-Dichloroethane	6.90	62	64153	4.496	ug/l	99
43) Isopropyl Acetate	8.35	43	48205	3.886	ug/l #	97
44) Trichloroethene	7.73	130	73220	4.262	ug/l	96
45) 1,2-Dichloropropane	8.10	63	63343	4.543	ug/l	98
46) Dibromomethane	8.22	93	35371	4.374	ug/l	93
47) Bromodichloromethane	8.49	83	84252	4.309	ug/l	98
48) Methyl methacrylate	8.25	41	29028	3.845	ug/l	93
49) 1,4-Dioxane	8.23	88	5666	80.147	ug/l #	68
51) 4-Methyl-2-Pentanone	9.34	43	154223	20.273	ug/l	96
52) Toluene	9.55	92	162687	4.462	ug/l	93
53) t-1,3-Dichloropropene	9.91	75	62970	3.793	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	89907	4.143	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	42963	4.443	ug/l	96
56) Ethyl methacrylate	10.03	69	31206	3.155	ug/l	91
57) 1,3-Dichloropropane	10.38	76	67885	4.402	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	132450	25.378	ug/l	94
59) 2-Hexanone	10.48	43	102065	18.883	ug/l	94
60) Dibromochloromethane	10.64	129	49609	3.784	ug/l	98
61) 1,2-Dibromoethane	10.76	107	41332	3.974	ug/l	98
64) Tetrachloroethene	10.25	164	71826	4.468	ug/l	95
65) Chlorobenzene	11.31	112	175679	4.498	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	54804	4.282	ug/l	98
67) Ethyl Benzene	11.43	91	307737	4.586	ug/l	98
68) m/p-Xylenes	11.56	106	227022	9.316	ug/l	93
69) o-Xylene	11.93	106	100786	4.266	ug/l	85
70) Styrene	11.96	104	163670	4.293	ug/l	97
71) Bromoform	12.11	173	30342	3.520	ug/l	93
73) Isopropylbenzene	12.27	105	293331	4.433	ug/l	100
74) N-amyl acetate	12.13	43	57413	3.663	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	44361	4.044	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	42854	4.025	ug/l	96
77) Bromobenzene	12.54	156	73902	4.191	ug/l	94
78) n-propylbenzene	12.64	91	384167	4.557	ug/l	98
79) 2-Chlorotoluene	12.70	91	198944	4.352	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	230961	4.536	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	10412	3.367	ug/l	98
82) 4-Chlorotoluene	12.80	91	243253	4.853	ug/l	97
83) tert-Butylbenzene	13.05	119	255490	4.403	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	235670	4.455	ug/l	96
85) sec-Butylbenzene	13.22	105	311546	4.312	ug/l	100
86) p-Isopropyltoluene	13.34	119	259545	4.595	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	140493	4.383	ug/l	93
88) 1,4-Dichlorobenzene	13.39	146	141968	4.488	ug/l	99
89) n-Butylbenzene	13.65	91	280046	4.853	ug/l	99
90) Hexachloroethane	13.86	117	56163	3.913	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	121581	4.776	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	5009	3.865	ug/l #	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	85943	4.076	ug/l	100
94) Hexachlorobutadiene	14.88	225	66101	4.356	ug/l	99
95) Naphthalene	14.97	128	90358	3.520	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	63267	3.813	ug/l	97

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

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