

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059831.D
 Acq On : 20 Aug 2018 14:52
 Operator : JC/SY
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:23:40 AM

Quant Time: Aug 21 04:28:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.59	168	1081605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1580569	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1229263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	498029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	1164205	133.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	266.88%	
35) Dibromofluoromethane	5.50	113	1607809	136.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	272.78%	
50) Toluene-d8	8.67	98	4109722	128.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	257.54%	
62) 4-Bromofluorobenzene	11.91	95	1463733	117.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	235.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	1300359	139.96	ug/l	99
3) Chloromethane	1.46	50	1218217	158.12	ug/l	98
4) Vinyl Chloride	1.54	62	942119	150.89	ug/l	99
5) Bromomethane	1.76	94	76510	90.92	ug/l	89
6) Chloroethane	1.84	64	108573	69.49	ug/l	98
7) Trichlorofluoromethane	2.04	101	786924	120.66	ug/l	99
8) Diethyl Ether	2.31	74	195047	135.92	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.52	101	534386	130.85	ug/l	95
10) Methyl Iodide	2.65	142	689010	163.18	ug/l	93
11) Tert butyl alcohol	3.24	59	207672	637.82	ug/l #	91
12) 1,1-Dichloroethene	2.50	96	387871	121.44	ug/l	98
13) Acrolein	2.44	56	245543	800.24	ug/l	95
14) Allyl chloride	2.87	41	1164932	137.58	ug/l	99
15) Acrylonitrile	3.33	53	1015585	690.70	ug/l	97
16) Acetone	2.58	43	1063484	723.72	ug/l	100
17) Carbon Disulfide	2.72	76	1565599	146.42	ug/l	99
18) Methyl Acetate	2.90	43	428821	133.74	ug/l	99
19) Methyl tert-butyl Ether	3.37	73	2503051	133.63	ug/l	99
20) Methylene Chloride	3.02	84	469957	94.37	ug/l	98
21) trans-1,2-Dichloroethene	3.34	96	1079973	120.92	ug/l	94
22) Diisopropyl ether	4.03	45	5651476	129.67	ug/l	95
23) Vinyl Acetate	3.97	43	14744002	626.41	ug/l	100
24) 1,1-Dichloroethane	3.92	63	2627019	137.88	ug/l	100
25) 2-Butanone	4.79	43	3219202	729.56	ug/l	97
26) 2,2-Dichloropropane	4.74	77	1803614	119.32	ug/l	100
27) cis-1,2-Dichloroethene	4.75	96	1430775	124.50	ug/l	96
28) Bromochloromethane	5.10	49	1260341	129.05	ug/l	97
29) Tetrahydrofuran	5.14	42	1562218	705.89	ug/l	99
30) Chloroform	5.28	83	2613942	139.30	ug/l	100
31) Cyclohexane	5.54	56	2199924	126.35	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	2138271	134.99	ug/l	99
36) 1,1-Dichloropropene	5.70	75	1665453	122.49	ug/l	99
37) Ethyl Acetate	4.87	43	1388256	140.31	ug/l	98
38) Carbon Tetrachloride	5.68	117	1694468	125.34	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	1940646	134.27	ug/l	97
40) Benzene	5.96	78	4433850	126.31	ug/l	100
41) Methacrylonitrile	5.08	41	724812	142.27	ug/l	96
42) 1,2-Dichloroethane	6.08	62	1572184	139.47	ug/l	98
43) Isopropyl Acetate	7.58	43	1973294	145.37	ug/l	98
44) Trichloroethene	6.94	130	1446198	139.80	ug/l	96
45) 1,2-Dichloropropane	7.30	63	1419927	139.55	ug/l	100
46) Dibromomethane	7.41	93	911040	144.09	ug/l	98
47) Bromodichloromethane	7.70	83	1933698	137.82	ug/l	100
48) Methyl methacrylate	7.46	41	1058019	139.36	ug/l	95
49) 1,4-Dioxane	7.45	88	195315	3088.25	ug/l	94
51) 4-Methyl-2-Pentanone	8.56	43	6347201	679.86	ug/l	98
52) Toluene	8.76	92	2763035	124.07	ug/l	100
53) t-1,3-Dichloropropene	9.14	75	1790562	140.13	ug/l	98
54) cis-1,3-Dichloropropene	8.32	75	2072827	135.13	ug/l	98
55) 1,1,2-Trichloroethane	9.42	97	1059241	133.63	ug/l	98
56) Ethyl methacrylate	9.27	69	1297511	142.43	ug/l	98
57) 1,3-Dichloropropane	9.63	76	1609925	139.30	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.15	63	2027182	433.26	ug/l	98
59) 2-Hexanone	9.75	43	4716293	685.86	ug/l	96
60) Dibromochloromethane	9.92	129	1457803	143.08	ug/l	100
61) 1,2-Dibromoethane	10.06	107	1217009	144.35	ug/l	99
64) Tetrachloroethene	9.48	164	1231591	136.42	ug/l	97
65) Chlorobenzene	10.69	112	3116148	130.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.82	131	945057	114.43	ug/l	98
67) Ethyl Benzene	10.84	91	3993314	101.81	ug/l	98
68) m/p-Xylenes	10.99	106	2881179	200.53	ug/l	99
69) o-Xylene	11.38	106	1586271	113.00	ug/l	97
70) Styrene	11.41	104	2813672	115.65	ug/l	98
71) Bromoform	11.57	173	1081426	149.81	ug/l #	97
73) Isopropylbenzene	11.75	105	4348147	128.00	ug/l	99
74) N-amyl acetate	11.62	43	2253233	150.01	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.06	83	1245382	159.45	ug/l	99
76) 1,2,3-Trichloropropane	12.09	75	1189007	146.10	ug/l	99
77) Bromobenzene	12.02	156	1263330	133.95	ug/l	96
78) n-propylbenzene	12.13	91	5004757	117.26	ug/l	97
79) 2-Chlorotoluene	12.19	91	3121800	128.10	ug/l	97
80) 1,3,5-Trimethylbenzene	12.29	105	2527165	99.18	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	409392	162.63	ug/l	95
82) 4-Chlorotoluene	12.30	91	2440019	96.30	ug/l	99
83) tert-Butylbenzene	12.55	119	3221459m	107.58	ug/l	
84) 1,2,4-Trimethylbenzene	12.61	105	3290818	116.69	ug/l	98
85) sec-Butylbenzene	12.74	105	4171231	116.11	ug/l	99
86) p-Isopropyltoluene	12.86	119	3363419	119.27	ug/l	98
87) 1,3-Dichlorobenzene	12.82	146	2096271	131.82	ug/l	97
88) 1,4-Dichlorobenzene	12.90	146	1911915	119.50	ug/l	93
89) n-Butylbenzene	13.18	91	2664311	94.18	ug/l	99
90) Hexachloroethane	13.37	117	1070653	134.40	ug/l	86
91) 1,2-Dichlorobenzene	13.17	146	1258297	97.18	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.75	75	191557	165.55	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	1464912	126.78	ug/l	99
94) Hexachlorobutadiene	14.41	225	1045807	136.21	ug/l	99
95) Naphthalene	14.50	128	2742102	148.75	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	1365108	136.09	ug/l	98

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

