

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059829.D
 Acq On : 20 Aug 2018 13:55
 Operator : JC/SY
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:23:36 AM

Quant Time: Aug 21 04:27:58 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	5.60	168	971727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1411659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1138136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	518537	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	550453	70.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.46%	
35) Dibromofluoromethane	5.50	113	756992	71.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.80%	
50) Toluene-d8	8.67	98	1991850	69.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.76%	
62) 4-Bromofluorobenzene	11.90	95	784377	70.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	574279	68.80	ug/l	99
3) Chloromethane	1.45	50	471412	68.11	ug/l	97
4) Vinyl Chloride	1.53	62	390496	69.61	ug/l	99
5) Bromomethane	1.76	94	53787	71.15	ug/l	93
6) Chloroethane	1.85	64	101919	72.61	ug/l	95
7) Trichlorofluoromethane	2.05	101	415947	70.99	ug/l	97
8) Diethyl Ether	2.31	74	92388	71.66	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.52	101	254015	69.23	ug/l	97
10) Methyl Iodide	2.65	142	306435	80.78	ug/l	94
11) Tert butyl alcohol	3.21	59	104620	357.65	ug/l	100
12) 1,1-Dichloroethene	2.51	96	199144	69.40	ug/l	95
13) Acrolein	2.44	56	110446	400.65	ug/l	92
14) Allyl chloride	2.88	41	523039	68.75	ug/l	99
15) Acrylonitrile	3.32	53	434551	328.96	ug/l	94
16) Acetone	2.57	43	515319	390.34	ug/l	96
17) Carbon Disulfide	2.72	76	692409	72.08	ug/l	99
18) Methyl Acetate	2.90	43	196547	68.23	ug/l	98
19) Methyl tert-butyl Ether	3.36	73	1130440	67.17	ug/l	99
20) Methylene Chloride	3.03	84	226523	50.63	ug/l	98
21) trans-1,2-Dichloroethene	3.34	96	533892	66.53	ug/l	98
22) Diisopropyl ether	4.02	45	2670068	68.19	ug/l	95
23) Vinyl Acetate	3.96	43	7230101	341.91	ug/l	100
24) 1,1-Dichloroethane	3.92	63	1192335	69.66	ug/l	100
25) 2-Butanone	4.78	43	1500775	378.58	ug/l	99
26) 2,2-Dichloropropane	4.74	77	887313	65.34	ug/l	98
27) cis-1,2-Dichloroethene	4.75	96	711774	68.94	ug/l	98
28) Bromochloromethane	5.09	49	617573	70.39	ug/l	100
29) Tetrahydrofuran	5.13	42	686861	345.45	ug/l	100
30) Chloroform	5.27	83	1171127	69.47	ug/l	99
31) Cyclohexane	5.55	56	1015872	64.94	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	969192	68.10	ug/l	100
36) 1,1-Dichloropropene	5.69	75	820947	67.60	ug/l	99
37) Ethyl Acetate	4.88	43	602755	68.21	ug/l	99
38) Carbon Tetrachloride	5.67	117	813112	67.34	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	913135	70.74	ug/l	99
40) Benzene	5.97	78	2130262	67.95	ug/l	99
41) Methacrylonitrile	5.07	41	325385	71.51	ug/l	98
42) 1,2-Dichloroethane	6.08	62	687641	68.30	ug/l	98
43) Isopropyl Acetate	7.57	43	813092	67.07	ug/l	99
44) Trichloroethene	6.93	130	652130	70.58	ug/l	100
45) 1,2-Dichloropropane	7.30	63	625015	68.77	ug/l	99
46) Dibromomethane	7.42	93	396172	70.15	ug/l	96
47) Bromodichloromethane	7.70	83	868376	69.30	ug/l	99
48) Methyl methacrylate	7.46	41	477174	70.37	ug/l	97
49) 1,4-Dioxane	7.45	88	79965	1415.67	ug/l	93
51) 4-Methyl-2-Pentanone	8.56	43	3130904	375.48	ug/l	100
52) Toluene	8.76	92	1358558	68.30	ug/l	99
53) t-1,3-Dichloropropene	9.15	75	802661	70.33	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	944120	68.91	ug/l	99
55) 1,1,2-Trichloroethane	9.41	97	472872	66.79	ug/l	99
56) Ethyl methacrylate	9.28	69	566956	69.68	ug/l	99
57) 1,3-Dichloropropane	9.62	76	705752	68.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.14	63	1446030	346.03	ug/l	98
59) 2-Hexanone	9.75	43	2276244	370.63	ug/l	97
60) Dibromochloromethane	9.92	129	643404	70.70	ug/l	100
61) 1,2-Dibromoethane	10.05	107	527505	70.05	ug/l	100
64) Tetrachloroethene	9.47	164	581513	69.57	ug/l	99
65) Chlorobenzene	10.69	112	1529285	69.06	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.81	131	507174	66.33	ug/l	98
67) Ethyl Benzene	10.83	91	2334698	64.29	ug/l	100
68) m/p-Xylenes	10.98	106	1741719	130.93	ug/l	99
69) o-Xylene	11.37	106	859598	66.14	ug/l	99
70) Styrene	11.40	104	1472438	65.37	ug/l	100
71) Bromoform	11.57	173	478680	71.62	ug/l	98
73) Isopropylbenzene	11.75	105	2277814	64.40	ug/l	100
74) N-amyl acetate	11.62	43	1090031	69.70	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.05	83	559456	68.80	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	571675	67.47	ug/l	98
77) Bromobenzene	12.01	156	656391	66.85	ug/l	97
78) n-propylbenzene	12.13	91	2851425	64.17	ug/l	98
79) 2-Chlorotoluene	12.19	91	1672639	65.92	ug/l	100
80) 1,3,5-Trimethylbenzene	12.29	105	1614855	60.87	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.82	75	185801	70.89	ug/l	95
82) 4-Chlorotoluene	12.30	91	1552410	58.85	ug/l	99
83) tert-Butylbenzene	12.55	119	1866838m	59.88	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	1841472	62.71	ug/l	100
85) sec-Butylbenzene	12.73	105	2367506	63.29	ug/l	100
86) p-Isopropyltoluene	12.86	119	1913469	65.17	ug/l	100
87) 1,3-Dichlorobenzene	12.82	146	1101030	66.50	ug/l	98
88) 1,4-Dichlorobenzene	12.91	146	1116217	67.01	ug/l	99
89) n-Butylbenzene	13.17	91	1712856	58.15	ug/l	99
90) Hexachloroethane	13.38	117	566171	68.26	ug/l	99
91) 1,2-Dichlorobenzene	13.16	146	809267	60.03	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.74	75	83896	69.64	ug/l	57

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	833946	69.32	ug/l	99
94) Hexachlorobutadiene	14.41	225	547587	68.50	ug/l	98
95) Naphthalene	14.49	128	1336896	69.65	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	728488	69.75	ug/l	98

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

