

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058204.D
 Acq On : 20 Jun 2018 11:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/21/2018 11:50:47 AM

Quant Time: Jun 21 11:10:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	1051647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1379636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	1039083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	543404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	581205	54.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	5.56	113	588953	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	8.72	98	1421855	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.94	95	566123	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.36	85	540359	55.41	ug/l	98
3) Chloromethane	1.49	50	243104	53.26	ug/l	97
4) Vinyl Chloride	1.56	62	291963	53.00	ug/l	92
5) Bromomethane	1.81	94	103977	57.84	ug/l	97
6) Chloroethane	1.89	64	114027	57.61	ug/l	93
7) Trichlorofluoromethane	2.09	101	399091	52.83	ug/l	98
8) Diethyl Ether	2.36	74	85636	53.60	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.57	101	250642	52.19	ug/l	99
10) Methyl Iodide	2.70	142	302782	55.43	ug/l	96
11) Tert butyl alcohol	3.28	59	78038m	222.75	ug/l	
12) 1,1-Dichloroethene	2.56	96	190802	52.81	ug/l	99
13) Acrolein	2.48	56	79991	399.96	ug/l	98
14) Allyl chloride	2.93	41	459906	54.69	ug/l	98
15) Acrylonitrile	3.37	53	256747	276.38	ug/l	98
16) Acetone	2.63	43	422030	290.51	ug/l	94
17) Carbon Disulfide	2.76	76	656804	53.43	ug/l	100
18) Methyl Acetate	2.95	43	146378	47.25	ug/l	94
19) Methyl tert-butyl Ether	3.42	73	741348	77.36	ug/l	97
20) Methylene Chloride	3.08	84	206330	54.87	ug/l	99
21) trans-1,2-Dichloroethene	3.39	96	255824	64.79	ug/l	82
22) Diisopropyl ether	4.08	45	1665853	49.88	ug/l	94
23) Vinyl Acetate	4.03	43	4615253	257.78	ug/l	99
24) 1,1-Dichloroethane	3.98	63	939778	52.23	ug/l	98
25) 2-Butanone	4.85	43	810675	256.04	ug/l	99
26) 2,2-Dichloropropane	4.81	77	848937	56.35	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	516333	52.33	ug/l	97
28) Bromochloromethane	5.16	49	396126	49.11	ug/l	99
29) Tetrahydrofuran	5.19	42	386532	229.36	ug/l	98
30) Chloroform	5.33	83	1002604	52.78	ug/l	98
31) Cyclohexane	5.60	56	699329	53.94	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	856612	54.58	ug/l	98
36) 1,1-Dichloropropene	5.76	75	670101	49.10	ug/l	98
37) Ethyl Acetate	4.94	43	374066	48.10	ug/l	96
38) Carbon Tetrachloride	5.74	117	740112	54.58	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	666759	50.16	ug/l	99
40) Benzene	6.02	78	1554048	47.80	ug/l	99
41) Methacrylonitrile	5.14	41	180854	48.16	ug/l	99
42) 1,2-Dichloroethane	6.14	62	673050	51.34	ug/l	99
43) Isopropyl Acetate	7.63	43	496622	47.90	ug/l #	96
44) Trichloroethene	6.99	130	498613	51.07	ug/l	99
45) 1,2-Dichloropropane	7.36	63	439164	50.16	ug/l	99
46) Dibromomethane	7.47	93	297041	49.70	ug/l	98
47) Bromodichloromethane	7.74	83	718780	52.73	ug/l	100
48) Methyl methacrylate	7.51	41	304959	48.40	ug/l	97
49) 1,4-Dioxane	7.49	88	58379	1026.40	ug/l	97
51) 4-Methyl-2-Pentanone	8.60	43	1574060	232.77	ug/l	100
52) Toluene	8.81	92	893908	48.29	ug/l	96
53) t-1,3-Dichloropropene	9.19	75	620921	52.40	ug/l	97
54) cis-1,3-Dichloropropene	8.36	75	735556	52.94	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	320760	48.97	ug/l	96
56) Ethyl methacrylate	9.32	69	389898	49.78	ug/l	98
57) 1,3-Dichloropropane	9.67	76	525415	47.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.20	63	968362	249.72	ug/l	97
59) 2-Hexanone	9.79	43	1249509	255.72	ug/l	100
60) Dibromochloromethane	9.97	129	477636	53.74	ug/l	97
61) 1,2-Dibromoethane	10.10	107	366116	51.07	ug/l	97
64) Tetrachloroethene	9.52	164	465786	53.28	ug/l	95
65) Chlorobenzene	10.73	112	1002309	51.57	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.86	131	385201	51.36	ug/l	95
67) Ethyl Benzene	10.87	91	1650146	48.09	ug/l	99
68) m/p-Xylenes	11.01	106	1146301	100.17	ug/l	98
69) o-Xylene	11.41	106	591791	54.15	ug/l	98
70) Styrene	11.44	104	997222	53.47	ug/l	100
71) Bromoform	11.60	173	349122	58.35	ug/l	95
73) Isopropylbenzene	11.78	105	1681741	51.74	ug/l	99
74) N-amyl acetate	11.65	43	631405	50.24	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	368201	48.68	ug/l	97
76) 1,2,3-Trichloropropane	12.12	75	386304	48.69	ug/l	100
77) Bromobenzene	12.05	156	499089	51.28	ug/l	95
78) n-propylbenzene	12.15	91	2084730	49.67	ug/l	99
79) 2-Chlorotoluene	12.22	91	1187612	49.44	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	1290864	50.92	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	109089	56.38	ug/l	87
82) 4-Chlorotoluene	12.33	91	1333707	57.83	ug/l	98
83) tert-Butylbenzene	12.58	119	1547746	53.10	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	1456713	52.86	ug/l	100
85) sec-Butylbenzene	12.76	105	1842372	53.93	ug/l	100
86) p-Isopropyltoluene	12.89	119	1477132	53.35	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	905388	53.52	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	841808	50.96	ug/l	98
89) n-Butylbenzene	13.20	91	1483752	50.99	ug/l	99
90) Hexachloroethane	13.40	117	405402	56.42	ug/l	89
91) 1,2-Dichlorobenzene	13.20	146	704281	48.92	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.78	75	63322	52.60	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	705044	51.21	ug/l	99
94) Hexachlorobutadiene	14.44	225	556759	51.70	ug/l	98
95) Naphthalene	14.52	128	922943	50.89	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	608633	50.49	ug/l	95

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

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