

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059995.D
 Acq On : 13 Sep 2018 13:13
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 9/14/2018 10:56:55 AM

Quant Time: Sep 13 15:44:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1508181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2106051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1720574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	907145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	236760	18.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.94%	
35) Dibromofluoromethane	6.30	113	317203	19.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.60%	
50) Toluene-d8	9.43	98	911072	20.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.18%	
62) 4-Bromofluorobenzene	12.42	95	350353	19.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	299737m	21.22	ug/l	
3) Chloromethane	1.73	50	279229	22.34	ug/l	98
4) Vinyl Chloride	1.83	62	221922	22.52	ug/l	97
5) Bromomethane	2.11	94	18902	10.97	ug/l	89
6) Chloroethane	2.21	64	44553	14.71	ug/l	96
7) Trichlorofluoromethane	2.47	101	234201	20.35	ug/l	98
8) Diethyl Ether	2.79	74	52219	20.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.05	101	155167	21.95	ug/l	98
10) Methyl Iodide	3.21	142	150151	22.97	ug/l	99
11) Tert butyl alcohol	3.95	59	88658	92.69	ug/l	98
12) 1,1-Dichloroethene	3.04	96	123828	22.51	ug/l	95
13) Acrolein	2.95	56	61982	142.96	ug/l	99
14) Allyl chloride	3.49	41	253337	20.69	ug/l	99
15) Acrylonitrile	4.05	53	359598	99.44	ug/l	99
16) Acetone	3.14	43	244692	107.10	ug/l	96
17) Carbon Disulfide	3.27	76	419198	24.09	ug/l	98
18) Methyl Acetate	3.52	43	86476	18.03	ug/l	95
19) Methyl tert-butyl Ether	4.08	73	560925	18.91	ug/l	97
20) Methylene Chloride	3.68	84	387066	20.77	ug/l	97
21) trans-1,2-Dichloroethene	4.05	96	324731	21.62	ug/l	91
22) Diisopropyl ether	4.82	45	1202679	19.66	ug/l	98
23) Vinyl Acetate	4.77	43	3492509	102.22	ug/l	99
24) 1,1-Dichloroethane	4.72	63	527977	19.81	ug/l	99
25) 2-Butanone	5.59	43	706263	107.04	ug/l	98
26) 2,2-Dichloropropane	5.55	77	421225	19.03	ug/l	97
27) cis-1,2-Dichloroethene	5.56	96	348347	21.43	ug/l	97
28) Bromochloromethane	5.89	49	259092	20.68	ug/l	97
29) Tetrahydrofuran	5.92	42	328889	100.86	ug/l	98
30) Chloroform	6.07	83	541230	19.95	ug/l	99
31) Cyclohexane	6.33	56	512567	20.59	ug/l	97
32) 1,1,1-Trichloroethane	6.26	97	449766	19.58	ug/l	99
36) 1,1-Dichloropropene	6.49	75	407727	20.87	ug/l	99
37) Ethyl Acetate	5.67	43	286644	19.39	ug/l	97
38) Carbon Tetrachloride	6.46	117	375488	19.16	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	472498	22.18	ug/l	100
40) Benzene	6.76	78	1076953	21.16	ug/l	98
41) Methacrylonitrile	5.91	41	179540m	23.92	ug/l	
42) 1,2-Dichloroethane	6.87	62	317654	19.87	ug/l	98
43) Isopropyl Acetate	8.32	43	368436	19.03	ug/l #	99
44) Trichloroethene	7.71	130	323445	21.44	ug/l	97
45) 1,2-Dichloropropane	8.08	63	281226	20.00	ug/l	99
46) Dibromomethane	8.19	93	183677	20.30	ug/l	92
47) Bromodichloromethane	8.47	83	399344	19.67	ug/l	98
48) Methyl methacrylate	8.22	41	210443	18.68	ug/l	96
49) 1,4-Dioxane	8.21	88	42505	416.33	ug/l	93
51) 4-Methyl-2-Pentanone	9.33	43	1536486	111.31	ug/l	99
52) Toluene	9.52	92	688227	21.13	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	366671	19.58	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	437535	19.90	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	231039	19.68	ug/l	97
56) Ethyl methacrylate	10.02	69	258789	19.25	ug/l	98
57) 1,3-Dichloropropane	10.37	76	352446	20.72	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.90	63	672184	104.35	ug/l	98
59) 2-Hexanone	10.47	43	1113559	109.39	ug/l	97
60) Dibromochloromethane	10.63	129	285563	19.39	ug/l	98
61) 1,2-Dibromoethane	10.74	107	245277	20.68	ug/l	97
64) Tetrachloroethene	10.23	164	303717	22.00	ug/l	99
65) Chlorobenzene	11.29	112	752740	21.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	261865	20.71	ug/l	98
67) Ethyl Benzene	11.41	91	1292756	22.05	ug/l	98
68) m/p-Xylenes	11.55	106	976295	45.30	ug/l	96
69) o-Xylene	11.92	106	466458	22.19	ug/l	100
70) Styrene	11.94	104	792923	21.93	ug/l	98
71) Bromoform	12.10	173	211470	19.36	ug/l #	96
73) Isopropylbenzene	12.27	105	1224821	20.76	ug/l	99
74) N-amyl acetate	12.12	43	477891	18.96	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	267755	19.74	ug/l	98
76) 1,2,3-Trichloropropane	12.58	75	274183	19.41	ug/l	98
77) Bromobenzene	12.52	156	359532	22.00	ug/l	87
78) n-propylbenzene	12.62	91	1583100	21.28	ug/l	95
79) 2-Chlorotoluene	12.69	91	883732	21.04	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	972654	20.83	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	81446	18.67	ug/l	94
82) 4-Chlorotoluene	12.80	91	1005691	21.12	ug/l	94
83) tert-Butylbenzene	13.04	119	1122172	21.16	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1039666	21.44	ug/l	97
85) sec-Butylbenzene	13.21	105	1326021	21.31	ug/l	96
86) p-Isopropyltoluene	13.33	119	1096020	21.45	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	616990	21.16	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	645991	22.12	ug/l	99
89) n-Butylbenzene	13.64	91	1105692	21.66	ug/l	97
90) Hexachloroethane	13.84	117	253727	18.75	ug/l	80
91) 1,2-Dichlorobenzene	13.65	146	556862	22.66	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	36916	18.20	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	452001	21.38	ug/l	98
94) Hexachlorobutadiene	14.87	225	293477	21.11	ug/l	98
95) Naphthalene	14.96	128	656390	20.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	397190	21.91	ug/l	98

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

