

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060711.D
 Acq On : 13 Nov 2018 13:33
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 12:55:32 PM

Quant Time: Nov 14 03:01:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 02:40:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	211831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	383439	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	342303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	182527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	169085	69.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.96%	
35) Dibromofluoromethane	4.12	113	191559	66.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.92%	
50) Toluene-d8	7.57	98	529286	63.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.20%	
62) 4-Bromofluorobenzene	11.42	95	247552	63.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	262918	69.353	ug/l	99
3) Chloromethane	1.09	50	167178	71.106	ug/l	95
4) Vinyl Chloride	1.14	62	147549	70.155	ug/l	98
5) Bromomethane	1.32	94	96549	72.268	ug/l	89
6) Chloroethane	1.37	64	58451	71.032	ug/l	97
7) Trichlorofluoromethane	1.49	101	336648	72.337	ug/l	100
8) Diethyl Ether	1.64	74	45090	75.667	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	156255	71.294	ug/l	98
10) Methyl Iodide	1.90	142	261280	77.504	ug/l	89
11) Tert butyl alcohol	2.57	59	38527	350.365	ug/l	99
12) 1,1-Dichloroethene	1.78	96	122092	70.647	ug/l	98
13) Acrolein	2.01	56	32693	325.161	ug/l	100
14) Allyl chloride	2.10	41	219482	72.494	ug/l	98
15) Acrylonitrile	2.95	53	78159	333.564	ug/l	95
16) Acetone	2.24	43	188580	365.153	ug/l	99
17) Carbon Disulfide	1.82	76	372282	71.321	ug/l	98
18) Methyl Acetate	2.36	43	58672	63.682	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	299648	72.275	ug/l	99
20) Methylene Chloride	2.19	84	116565m	59.678	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	126792	70.222	ug/l	95
22) Diisopropyl ether	2.81	45	413557	70.752	ug/l	97
23) Vinyl Acetate	3.20	43	1004870	365.078	ug/l	97
24) 1,1-Dichloroethane	2.88	63	253564	71.653	ug/l	99
25) 2-Butanone	4.34	43	308650	363.348	ug/l	98
26) 2,2-Dichloropropane	3.61	77	196528	70.573	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	219862	71.580	ug/l	96
28) Bromochloromethane	3.73	49	131454	71.478	ug/l	95
29) Tetrahydrofuran	4.08	42	122505	349.627	ug/l	98
30) Chloroform	3.87	83	396419	69.819	ug/l	97
31) Cyclohexane	3.70	56	295106	68.710	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	319509	71.459	ug/l	99
36) 1,1-Dichloropropene	4.29	75	295369	66.421	ug/l	100
37) Ethyl Acetate	4.12	43	113368	68.571	ug/l	88
38) Carbon Tetrachloride	4.00	117	309837m	71.805	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	342819	66.449	ug/l	98
40) Benzene	4.65	78	667351	67.322	ug/l	100
41) Methacrylonitrile	4.75	41	62449	62.352	ug/l	96
42) 1,2-Dichloroethane	4.95	62	243059	70.953	ug/l	99
43) Isopropyl Acetate	6.97	43	161834	73.828	ug/l #	96
44) Trichloroethene	5.51	130	202269	64.673	ug/l	92
45) 1,2-Dichloropropane	6.24	63	174898	67.803	ug/l	100
46) Dibromomethane	6.10	93	119365	70.101	ug/l	96
47) Bromodichloromethane	6.40	83	298502	68.649	ug/l	100
48) Methyl methacrylate	6.73	41	103876	71.602	ug/l	94
49) 1,4-Dioxane	6.72	88	19555	1441.270	ug/l #	82
51) 4-Methyl-2-Pentanone	8.27	43	524337	330.728	ug/l	99
52) Toluene	7.63	92	435173	65.510	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	241248	69.271	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	306516	67.757	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	130486	68.749	ug/l	96
56) Ethyl methacrylate	8.63	69	154417	71.637	ug/l	95
57) 1,3-Dichloropropane	8.87	76	229203	69.680	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	67294	341.753	ug/l	100
59) 2-Hexanone	9.50	43	382022	342.876	ug/l	98
60) Dibromochloromethane	8.73	129	190340	70.366	ug/l	99
61) 1,2-Dibromoethane	9.01	107	142132	71.204	ug/l	100
64) Tetrachloroethene	8.17	164	185285	68.354	ug/l	99
65) Chlorobenzene	9.81	112	477147	69.077	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	204718	67.950	ug/l	97
67) Ethyl Benzene	9.91	91	875842	67.268	ug/l	99
68) m/p-Xylenes	10.15	106	639609	137.461	ug/l	94
69) o-Xylene	10.72	106	357498	68.338	ug/l	94
70) Styrene	10.80	104	467786	65.889	ug/l	97
71) Bromoform	10.79	173	97749	72.150	ug/l	99
73) Isopropylbenzene	11.14	105	1019004	69.357	ug/l	99
74) N-amyl acetate	11.38	43	254268	76.022	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.71	83	164855	67.868	ug/l	97
76) 1,2,3-Trichloropropane	11.81	75	120892	67.013	ug/l	97
77) Bromobenzene	11.51	156	219419	71.747	ug/l	89
78) n-propylbenzene	11.61	91	1143009	66.705	ug/l	98
79) 2-Chlorotoluene	11.73	91	666020	66.875	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	803755	68.907	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.88	75	60643m	70.063	ug/l	
82) 4-Chlorotoluene	11.92	91	709914	69.581	ug/l	95
83) tert-Butylbenzene	12.14	119	823496	66.493	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	819847	67.961	ug/l	99
85) sec-Butylbenzene	12.32	105	1132982	67.439	ug/l	98
86) p-Isopropyltoluene	12.47	119	931802	66.408	ug/l	95
87) 1,3-Dichlorobenzene	12.49	146	404465	66.458	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	403019	68.901	ug/l	100
89) n-Butylbenzene	12.85	91	950720	66.394	ug/l	94
90) Hexachloroethane	12.93	117	239439	69.768	ug/l	90
91) 1,2-Dichlorobenzene	12.95	146	398450	69.532	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	32729	71.688	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	281119	68.253	ug/l	96
94) Hexachlorobutadiene	14.20	225	187829	69.786	ug/l	98
95) Naphthalene	14.46	128	549725	73.146	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	265310	69.709	ug/l	97

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

