

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061824.D
 Acq On : 4 Mar 2019 17:02
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Quant Time: Mar 05 04:47:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	325879	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	462211	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	391895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	221643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	49062	20.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.06%	
35) Dibromofluoromethane	4.12	113	68993	20.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.20%	
50) Toluene-d8	7.56	98	197494	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
62) 4-Bromofluorobenzene	11.41	95	77311	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	85270	22.785	ug/l	98
3) Chloromethane	1.11	50	80295	20.449	ug/l	95
4) Vinyl Chloride	1.15	62	78820	21.593	ug/l #	88
5) Bromomethane	1.32	94	47284	18.821	ug/l	94
6) Chloroethane	1.39	64	35171	19.552	ug/l	88
7) Trichlorofluoromethane	1.49	101	89989	20.440	ug/l	90
8) Diethyl Ether	1.64	74	19844	17.885	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.84	101	62418	19.652	ug/l	93
10) Methyl Iodide	1.92	142	111583m	18.392	ug/l	
11) Tert butyl alcohol	2.58	59	13028	94.200	ug/l	95
12) 1,1-Dichloroethene	1.81	96	53971	19.327	ug/l	93
13) Acrolein	2.00	56	15299	88.016	ug/l	96
14) Allyl chloride	2.09	41	56962	16.623	ug/l	97
15) Acrylonitrile	2.95	53	42150	85.922	ug/l	95
16) Acetone	2.24	43	47002	91.671	ug/l	97
17) Carbon Disulfide	1.83	76	170683m	19.445	ug/l	
18) Methyl Acetate	2.36	43	21559	18.665	ug/l	92
19) Methyl tert-butyl Ether	2.44	73	94069	19.711	ug/l	100
20) Methylene Chloride	2.26	84	58369m	18.845	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	46161	15.206	ug/l	87
22) Diisopropyl ether	2.80	45	153767	18.694	ug/l	97
23) Vinyl Acetate	3.20	43	345294	85.947	ug/l	99
24) 1,1-Dichloroethane	2.88	63	94885	19.062	ug/l	97
25) 2-Butanone	4.35	43	98338	87.805	ug/l	99
26) 2,2-Dichloropropane	3.60	77	42665	20.235	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	73523	18.452	ug/l	97
28) Bromochloromethane	3.72	49	42969	17.991	ug/l	100
29) Tetrahydrofuran	4.08	42	42512	83.516	ug/l	97
30) Chloroform	3.87	83	106705	18.850	ug/l	94
31) Cyclohexane	3.69	56	95703m	17.760	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	64887	17.498	ug/l	97
36) 1,1-Dichloropropene	4.28	75	91501	19.984	ug/l	95
37) Ethyl Acetate	4.12	43	40253	18.927	ug/l #	96
38) Carbon Tetrachloride	3.99	117	61772	19.538	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	104423	19.284	ug/l	98
40) Benzene	4.64	78	235950	19.701	ug/l	95
41) Methacrylonitrile	4.75	41	20832	19.154	ug/l #	91
42) 1,2-Dichloroethane	4.95	62	58394	20.383	ug/l	99
43) Isopropyl Acetate	6.96	43	43625	17.330	ug/l #	96
44) Trichloroethene	5.51	130	70485	18.199	ug/l	96 MMDadoda
45) 1,2-Dichloropropane	6.24	63	55708	19.243	ug/l #	87
46) Dibromomethane	6.09	93	34452	19.329	ug/l #	79
47) Bromodichloromethane	6.39	83	76585	19.621	ug/l	95
48) Methyl methacrylate	6.73	41	29234	19.297	ug/l	96
49) 1,4-Dioxane	6.72	88	5210	365.842	ug/l #	91 3/5/2019 10:47:20 AM
51) 4-Methyl-2-Pentanone	8.27	43	162835	90.527	ug/l	99
52) Toluene	7.63	92	138464	19.063	ug/l	99
53) t-1,3-Dichloropropene	8.29	75	63220	19.461	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	87169	20.145	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	39392	18.458	ug/l	97
56) Ethyl methacrylate	8.62	69	42171	17.749	ug/l	93
57) 1,3-Dichloropropane	8.86	76	64160	18.012	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	35368	86.274	ug/l	95
59) 2-Hexanone	9.50	43	116208	92.165	ug/l	96
60) Dibromochloromethane	8.73	129	55548	18.701	ug/l	94
61) 1,2-Dibromoethane	9.00	107	41550	17.950	ug/l	94
64) Tetrachloroethene	8.16	164	62966	19.657	ug/l	94
65) Chlorobenzene	9.80	112	155404	19.542	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.93	131	62553	20.074	ug/l	99
67) Ethyl Benzene	9.90	91	262739	19.867	ug/l	99
68) m/p-Xylenes	10.14	106	200843	39.682	ug/l	95
69) o-Xylene	10.72	106	106447	19.710	ug/l	93
70) Styrene	10.79	104	154538	20.227	ug/l	96
71) Bromoform	10.78	173	32355	19.121	ug/l #	95
73) Isopropylbenzene	11.12	105	319804	20.266	ug/l	97
74) N-amyl acetate	11.37	43	72997	19.272	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	51794	18.320	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	34608	18.005	ug/l	96
77) Bromobenzene	11.50	156	73509	18.856	ug/l	96
78) n-propylbenzene	11.60	91	355379	19.625	ug/l	95
79) 2-Chlorotoluene	11.73	91	203402	20.056	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	252698	20.036	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	16982m	18.429	ug/l	
82) 4-Chlorotoluene	11.90	91	208430	19.800	ug/l	98
83) tert-Butylbenzene	12.13	119	272983	19.541	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	254272	20.293	ug/l	95
85) sec-Butylbenzene	12.31	105	347705	19.247	ug/l	96
86) p-Isopropyltoluene	12.47	119	295893	19.517	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	138067	18.166	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	134997	18.469	ug/l	98
89) n-Butylbenzene	12.85	91	291435	20.357	ug/l	91
90) Hexachloroethane	12.92	117	69647	19.752	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	135363	18.725	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	7441	16.601	ug/l	70

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93) 1,2,4-Trichlorobenzene	14.20	180	93612	18.066	ug/l	96
94) Hexachlorobutadiene	14.19	225	62871	19.646	ug/l	98
95) Naphthalene	14.46	128	159176	17.558	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	88157	18.536	ug/l	98

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

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