

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061976.D
 Acq On : 16 Mar 2019 13:22
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:19:03 PM

Quant Time: Mar 22 03:17:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	262173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	415330	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	355360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	185924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	146859	77.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.64%	
35) Dibromofluoromethane	4.11	113	195993	70.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.54%	
50) Toluene-d8	7.55	98	576553	70.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.44%	
62) 4-Bromofluorobenzene	11.41	95	227978	70.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	175449	62.776	ug/l	99
3) Chloromethane	1.10	50	188387	66.329	ug/l #	87
4) Vinyl Chloride	1.14	62	185644	67.583	ug/l	98
5) Bromomethane	1.32	94	120958	62.683	ug/l	99
6) Chloroethane	1.39	64	95072	67.044	ug/l	100
7) Trichlorofluoromethane	1.48	101	244350	67.144	ug/l	98
8) Diethyl Ether	1.63	74	53887	66.608	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.83	101	164169	64.028	ug/l	95
10) Methyl Iodide	1.91	142	303815m	67.701	ug/l	
11) Tert butyl alcohol	2.57	59	42698	369.741	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	138794	62.725	ug/l	93
13) Acrolein	2.00	56	37098	297.582	ug/l	88
14) Allyl chloride	2.10	41	193795	68.611	ug/l	95
15) Acrylonitrile	2.94	53	126046	358.930	ug/l	95
16) Acetone	2.24	43	168594	397.830	ug/l	100
17) Carbon Disulfide	1.80	76	413413m	64.602	ug/l	
18) Methyl Acetate	2.35	43	67915	75.446	ug/l	93
19) Methyl tert-butyl Ether	2.44	73	275364	68.677	ug/l	100
20) Methylene Chloride	2.18	84	143907m	65.958	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	148381	64.258	ug/l	98
22) Diisopropyl ether	2.80	45	447945	65.932	ug/l	97
23) Vinyl Acetate	3.18	43	977766	365.074	ug/l	98
24) 1,1-Dichloroethane	2.87	63	264376	66.923	ug/l	100
25) 2-Butanone	4.33	43	300343	357.854	ug/l	97
26) 2,2-Dichloropropane	3.60	77	123747	66.410	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	197863	67.983	ug/l	99
28) Bromochloromethane	3.72	49	117217	71.509	ug/l	97
29) Tetrahydrofuran	4.07	42	120856	331.110	ug/l	98
30) Chloroform	3.86	83	292373	65.320	ug/l	96
31) Cyclohexane	3.69	56	249626m	64.496	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	195124	65.642	ug/l	92
36) 1,1-Dichloropropene	4.28	75	242344	64.614	ug/l	98
37) Ethyl Acetate	4.11	43	105832	62.843	ug/l	87
38) Carbon Tetrachloride	3.98	117	177923	64.910	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061976.D
 Acq On : 16 Mar 2019 13:22
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:19:03 PM

Quant Time: Mar 22 03:17:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	274652	62.376	ug/l	95
40) Benzene	4.63	78	626180	63.007	ug/l	98
41) Methacrylonitrile	4.74	41	59395	66.012	ug/l	94
42) 1,2-Dichloroethane	4.94	62	164311	66.415	ug/l	97
43) Isopropyl Acetate	6.95	43	127771	64.125	ug/l #	92
44) Trichloroethene	5.50	130	185221	60.839	ug/l	96
45) 1,2-Dichloropropane	6.23	63	153915	65.441	ug/l	94
46) Dibromomethane	6.08	93	95127	67.990	ug/l	95
47) Bromodichloromethane	6.38	83	215242	65.253	ug/l	96
48) Methyl methacrylate	6.71	41	81717	63.457	ug/l #	90
49) 1,4-Dioxane	6.71	88	16602	1449.374	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	472110	333.666	ug/l	93
52) Toluene	7.62	92	380381	62.642	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	181177	65.059	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	246834	67.930	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	106930	63.094	ug/l	98
56) Ethyl methacrylate	8.62	69	122399	63.533	ug/l	96
57) 1,3-Dichloropropane	8.85	76	180967	64.012	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.30	63	134639	385.839	ug/l	90
59) 2-Hexanone	9.49	43	349171	340.993	ug/l	97
60) Dibromochloromethane	8.72	129	159579	67.826	ug/l	91
61) 1,2-Dibromoethane	8.98	107	118894	65.402	ug/l	94
64) Tetrachloroethene	8.15	164	159675	61.816	ug/l	97
65) Chlorobenzene	9.79	112	434990	65.747	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	170749	66.580	ug/l	99
67) Ethyl Benzene	9.90	91	707733	62.474	ug/l	99
68) m/p-Xylenes	10.13	106	509703	119.629	ug/l	97
69) o-Xylene	10.71	106	276607	60.672	ug/l	99
70) Styrene	10.79	104	385361	61.012	ug/l	98
71) Bromoform	10.77	173	87703	67.611	ug/l	97
73) Isopropylbenzene	11.12	105	782127	60.891	ug/l	99
74) N-amyl acetate	11.37	43	219835	74.693	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	140715	66.370	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	96872	65.341	ug/l	97
77) Bromobenzene	11.50	156	192030	64.557	ug/l	96
78) n-propylbenzene	11.60	91	882858	59.775	ug/l	98
79) 2-Chlorotoluene	11.71	91	530983	63.692	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	619944	59.749	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	48906m	74.567	ug/l	
82) 4-Chlorotoluene	11.90	91	516738	61.293	ug/l	98
83) tert-Butylbenzene	12.13	119	683418	62.981	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	631494	60.763	ug/l	97
85) sec-Butylbenzene	12.31	105	916013	62.480	ug/l	96
86) p-Isopropyltoluene	12.45	119	753315	61.578	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	349534	59.787	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	360543	64.073	ug/l	99
89) n-Butylbenzene	12.84	91	724401	63.016	ug/l	97
90) Hexachloroethane	12.92	117	186205	66.697	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	348681	64.394	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	23996	70.529	ug/l	72

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
Data File : VF061976.D
Acq On : 16 Mar 2019 13:22
Operator : VA/AP
Sample : VSTDICC075
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC075

Manual Integrations
APPROVED

MMDadoda
3/22/2019 6:19:03 PM

Quant Time: Mar 22 03:17:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:28:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	244392	64.814	ug/l	97
94) Hexachlorobutadiene	14.19	225	158624	63.368	ug/l	97
95) Naphthalene	14.46	128	488114	71.976	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	241577	69.638	ug/l	97

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

