

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060907.D
 Acq On : 3 Dec 2018 22:41
 Operator : VA/AP
 Sample : J6139-02MS
 Misc : 6.92g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Manual Integrations
 APPROVED

apatel
 12/4/2018 2:52:32 PM

Quant Time: Dec 04 04:19:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	135528	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.61	114	245283	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.80	117	233288	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	119898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	109401	68.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	137.04%	
35) Dibromofluoromethane	4.14	113	106431	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
50) Toluene-d8	7.58	98	307440	53.64	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	11.42	95	138468	53.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	101786	50.229	ug/l	99
3) Chloromethane	1.12	50	66615	50.518	ug/l	96
4) Vinyl Chloride	1.15	62	101676	82.664	ug/l	98
5) Bromomethane	1.34	94	45467	52.423	ug/l	91
6) Chloroethane	1.39	64	28484	53.573	ug/l	94
7) Trichlorofluoromethane	1.51	101	139279	52.776	ug/l	92
8) Diethyl Ether	1.64	74	20594	54.268	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	72305	54.195	ug/l	95
10) Methyl Iodide	1.91	142	107573	53.046	ug/l	94
11) Tert butyl alcohol	2.58	59	27363	418.093	ug/l #	92
12) 1,1-Dichloroethene	1.80	96	55981	52.167	ug/l	98
13) Acrolein	2.01	56	3605m	58.137	ug/l	
14) Allyl chloride	2.10	41	72204	53.983	ug/l	98
15) Acrylonitrile	2.96	53	54151	369.059	ug/l	92
16) Acetone	2.25	43	144751	491.655	ug/l	94
17) Carbon Disulfide	1.86	76	144980	50.387	ug/l	98
18) Methyl Acetate	2.36	43	47401	97.536	ug/l	96
19) Methyl tert-butyl Ether	2.45	73	146938	60.794	ug/l	100
20) Methylene Chloride	2.25	84	65212m	60.377	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	88310	85.359	ug/l	89
22) Diisopropyl ether	2.81	45	204897	56.278	ug/l	98
23) Vinyl Acetate	3.21	43	414371	248.985	ug/l	99
24) 1,1-Dichloroethane	2.89	63	120178	55.480	ug/l	98
25) 2-Butanone	4.35	43	175228	344.100	ug/l	100
26) 2,2-Dichloropropane	3.62	77	64398	45.857	ug/l	95
27) cis-1,2-Dichloroethene	3.49	96	380648	225.999	ug/l	97
28) Bromochloromethane	3.74	49	64537	62.080	ug/l	91
29) Tetrahydrofuran	4.10	42	77514	359.098	ug/l	96
30) Chloroform	3.88	83	183440	55.024	ug/l	98
31) Cyclohexane	3.72	56	108953	48.466	ug/l	98
32) 1,1,1-Trichloroethane	4.12	97	129411	55.972	ug/l	95
36) 1,1-Dichloropropene	4.30	75	121926	44.816	ug/l	94
37) Ethyl Acetate	4.13	43	70935	64.161	ug/l	85
38) Carbon Tetrachloride	4.02	117	117877	49.055	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060907.D
 Acq On : 3 Dec 2018 22:41
 Operator : VA/AP
 Sample : J6139-02MS
 Misc : 6.92g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Manual Integrations
 APPROVED

apatel
 12/4/2018 2:52:32 PM

Quant Time: Dec 04 04:19:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	114118	40.026	ug/l	97
40) Benzene	4.66	78	265404	44.158	ug/l	98
41) Methacrylonitrile	4.77	41	38826	69.328	ug/l	93
42) 1,2-Dichloroethane	4.96	62	122611	55.878	ug/l	97
43) Isopropyl Acetate	6.99	43	88299	65.579	ug/l #	100
44) Trichloroethene	5.53	130	243354	123.833	ug/l	95
45) 1,2-Dichloropropane	6.26	63	78339	50.186	ug/l	93
46) Dibromomethane	6.11	93	58023	54.795	ug/l	95
47) Bromodichloromethane	6.40	83	144467	51.367	ug/l	96
48) Methyl methacrylate	6.74	41	60403	60.358	ug/l	90
49) 1,4-Dioxane	6.73	88	8253	1126.825	ug/l	93
51) 4-Methyl-2-Pentanone	8.28	43	319413	313.297	ug/l	98
52) Toluene	7.65	92	185473	43.933	ug/l	91
53) t-1,3-Dichloropropene	8.30	75	120495	52.671	ug/l	91
54) cis-1,3-Dichloropropene	7.32	75	142486	50.311	ug/l	96
55) 1,1,2-Trichloroethane	8.51	97	69196	56.249	ug/l	97
56) Ethyl methacrylate	8.64	69	80860	59.171	ug/l	97
57) 1,3-Dichloropropane	8.88	76	120261	55.877	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.32	63	41297	295.445	ug/l	94
59) 2-Hexanone	9.51	43	244697	342.111	ug/l	98
60) Dibromochloromethane	8.74	129	97219	53.041	ug/l	99
61) 1,2-Dibromoethane	9.01	107	71557	53.845	ug/l	100
64) Tetrachloroethene	8.18	164	110199	61.845	ug/l	98
65) Chlorobenzene	9.82	112	217142	47.846	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	90962	46.622	ug/l	94
67) Ethyl Benzene	9.92	91	385767	45.658	ug/l	98
68) m/p-Xylenes	10.15	106	265154	87.257	ug/l	93
69) o-Xylene	10.73	106	158452	47.286	ug/l	90
70) Styrene	10.80	104	228524	49.197	ug/l	98
71) Bromoform	10.79	173	56484	59.936	ug/l #	93
73) Isopropylbenzene	11.14	105	448850	47.372	ug/l	100
74) N-amyl acetate	11.38	43	138744	63.414	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	97917	62.792	ug/l	97
76) 1,2,3-Trichloropropane	11.81	75	72115	63.624	ug/l	96
77) Bromobenzene	11.51	156	102949	49.560	ug/l	89
78) n-propylbenzene	11.61	91	516032	46.506	ug/l	98
79) 2-Chlorotoluene	11.73	91	312241	49.077	ug/l	94
80) 1,3,5-Trimethylbenzene	11.84	105	357337	46.456	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	33072m	59.552	ug/l	
82) 4-Chlorotoluene	11.92	91	311841	46.575	ug/l	97
83) tert-Butylbenzene	12.14	119	344632	43.985	ug/l	93
84) 1,2,4-Trimethylbenzene	12.22	105	356659	46.460	ug/l	98
85) sec-Butylbenzene	12.32	105	486167	45.326	ug/l	98
86) p-Isopropyltoluene	12.47	119	405884	45.135	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	184307	46.645	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	180014	46.749	ug/l	97
89) n-Butylbenzene	12.85	91	395241	43.467	ug/l	97
90) Hexachloroethane	12.93	117	100628	46.470	ug/l	88
91) 1,2-Dichlorobenzene	12.95	146	183947	49.159	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	21011	69.691	ug/l	73

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120318\
Data File : VF060907.D
Acq On : 3 Dec 2018 22:41
Operator : VA/AP
Sample : J6139-02MS
Misc : 6.92g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Manual Integrations
APPROVED

apatel
12/4/2018 2:52:32 PM

Quant Time: Dec 04 04:19:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	118355	45.268	ug/l	98
94) Hexachlorobutadiene	14.21	225	69082	39.636	ug/l	96
95) Naphthalene	14.47	128	279951	55.556	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	116319	47.915	ug/l	98

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

