

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060797.D
 Acq On : 20 Nov 2018 1:16
 Operator : VA/AP
 Sample : J5952-02MS
 Misc : 5.10µ/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VTW-01(7-10)MS

Manual Integrations
 APPROVED

apatel
 11/20/2018 1:20:49 PM

Quant Time: Nov 20 03:47:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	176103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	298855	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	254382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	107867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	87159	43.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.78%	
35) Dibromofluoromethane	4.13	113	101684	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	
50) Toluene-d8	7.57	98	288146	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.42	95	108468	39.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	138750	44.025	ug/l	100
3) Chloromethane	1.11	50	94288	48.240	ug/l	94
4) Vinyl Chloride	1.15	62	80838	46.234	ug/l	96
5) Bromomethane	1.33	94	56168	50.572	ug/l	95
6) Chloroethane	1.37	64	39221	57.333	ug/l	97
7) Trichlorofluoromethane	1.49	101	184471	47.711	ug/l	93
8) Diethyl Ether	1.64	74	29233	59.010	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	87565	48.059	ug/l	92
10) Methyl Iodide	1.89	142	140638	48.108	ug/l	99
11) Tert butyl alcohol	2.58	59	25388	277.719	ug/l	99
12) 1,1-Dichloroethene	1.79	96	72332	50.346	ug/l	91
13) Acrolein	2.01	56	18772	224.583	ug/l	97
14) Allyl chloride	2.10	41	120385	47.830	ug/l	91
15) Acrylonitrile	2.95	53	54342	278.971	ug/l	94
16) Acetone	2.25	43	121432	282.836	ug/l	98
17) Carbon Disulfide	1.84	76	173575m	39.973	ug/l	
18) Methyl Acetate	2.35	43	46996	66.662	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	191085	55.440	ug/l	95
20) Methylene Chloride	2.19	84	72805m	51.085	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	69163	46.076	ug/l	92
22) Diisopropyl ether	2.81	45	285162	58.684	ug/l	98
23) Vinyl Acetate	3.20	43	463036	202.355	ug/l	100
24) 1,1-Dichloroethane	2.88	63	155266	52.777	ug/l	99
25) 2-Butanone	4.35	43	191282	270.866	ug/l	96
26) 2,2-Dichloropropane	3.61	77	108696	46.952	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	113272	44.360	ug/l	96
28) Bromochloromethane	3.73	49	75368	49.295	ug/l	92
29) Tetrahydrofuran	4.08	42	79426	272.669	ug/l	97
30) Chloroform	3.88	83	225105	47.690	ug/l	98
31) Cyclohexane	3.71	56	153485	42.986	ug/l	97
32) 1,1,1-Trichloroethane	4.11	97	182783	49.174	ug/l	95
36) 1,1-Dichloropropene	4.29	75	157374	45.405	ug/l	97
37) Ethyl Acetate	4.11	43	69383	53.844	ug/l	95
38) Carbon Tetrachloride	4.01	117	158410m	47.102	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060797.D
 Acq On : 20 Nov 2018 1:16
 Operator : VA/AP
 Sample : J5952-02MS
 Misc : 5.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VTW-01(7-10)MS

Manual Integrations
 APPROVED

apatel
 11/20/2018 1:20:49 PM

Quant Time: Nov 20 03:47:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	154157	38.337	ug/l	98
40) Benzene	4.65	78	390433	50.534	ug/l	99
41) Methacrylonitrile	4.76	41	35141	51.259	ug/l	93
42) 1,2-Dichloroethane	4.95	62	124823	46.751	ug/l	99
43) Isopropyl Acetate	6.98	43	84835	49.655	ug/l #	96
44) Trichloroethene	5.52	130	108141	44.363	ug/l	90
45) 1,2-Dichloropropane	6.25	63	109465	54.447	ug/l	100
46) Dibromomethane	6.10	93	61428	46.286	ug/l	94
47) Bromodichloromethane	6.40	83	166299	49.070	ug/l	98
48) Methyl methacrylate	6.73	41	60431	53.445	ug/l	98
49) 1,4-Dioxane	6.72	88	10568	999.346	ug/l	92
51) 4-Methyl-2-Pentanone	8.27	43	333418	269.827	ug/l	99
52) Toluene	7.64	92	240888	46.526	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	107286	39.525	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	146677	41.600	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	72186	48.797	ug/l	96
56) Ethyl methacrylate	8.63	69	84987	50.586	ug/l	93
57) 1,3-Dichloropropane	8.87	76	128169	49.993	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.64	63	35504	231.339	ug/l	100
59) 2-Hexanone	9.50	43	227691	262.198	ug/l	99
60) Dibromochloromethane	8.73	129	98910	46.915	ug/l	92
61) 1,2-Dibromoethane	9.00	107	71485	45.948	ug/l	94
64) Tetrachloroethene	8.17	164	99591	49.439	ug/l	95
65) Chlorobenzene	9.82	112	251423	48.979	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	111734	49.905	ug/l	96
67) Ethyl Benzene	9.91	91	458239	47.359	ug/l	99
68) m/p-Xylenes	10.14	106	329811	95.379	ug/l	95
69) o-Xylene	10.72	106	185932	47.826	ug/l	97
70) Styrene	10.80	104	235910	44.713	ug/l	98
71) Bromoform	10.78	173	52651	52.295	ug/l #	96
73) Isopropylbenzene	11.14	105	508296	58.542	ug/l	98
74) N-amyl acetate	11.38	43	118406	59.905	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.71	83	102409	71.341	ug/l	98
76) 1,2,3-Trichloropropane	11.81	75	71991	67.527	ug/l	99
77) Bromobenzene	11.50	156	106574	58.969	ug/l	92
78) n-propylbenzene	11.60	91	557766	55.081	ug/l	95
79) 2-Chlorotoluene	11.73	91	336320	57.144	ug/l	96
80) 1,3,5-Trimethylbenzene	11.84	105	394162	57.181	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	27721m	52.927	ug/l	
82) 4-Chlorotoluene	11.91	91	310580	51.511	ug/l	98
83) tert-Butylbenzene	12.14	119	411372	56.206	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	387588	54.367	ug/l	95
85) sec-Butylbenzene	12.31	105	495053	49.863	ug/l	96
86) p-Isopropyltoluene	12.47	119	409037	49.329	ug/l	96
87) 1,3-Dichlorobenzene	12.49	146	174574	48.538	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	169914	49.155	ug/l	95
89) n-Butylbenzene	12.85	91	337411	39.873	ug/l	96
90) Hexachloroethane	12.92	117	100301	49.454	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	173681	51.287	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17317	64.184	ug/l	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
Data File : VF060797.D
Acq On : 20 Nov 2018 1:16
Operator : VA/AP
Sample : J5952-02MS
Misc : 5.10g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VTW-01(7-10)MS

Manual Integrations
APPROVED

apatel
11/20/2018 1:20:49 PM

Quant Time: Nov 20 03:47:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	90413	37.145	ug/l	92
94) Hexachlorobutadiene	14.20	225	39758	24.996	ug/l	94
95) Naphthalene	14.46	128	225636	50.804	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	86908	38.640	ug/l	96

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

