

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060462.D
 Acq On : 5 Oct 2018 18:13
 Operator : VA/AP
 Sample : VF1005SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBSD01

Manual Integrations
 APPROVED

apatel
 10/8/2018 9:43:38 AM

Quant Time: Oct 06 04:54:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	203260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	341129	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	298204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	171501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	179766	56.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.04%	
35) Dibromofluoromethane	4.27	113	167061	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	7.69	98	387018	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.50	95	179737	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	122464	25.231	ug/l	98
3) Chloromethane	1.13	50	62154	22.519	ug/l	94
4) Vinyl Chloride	1.18	62	67137	23.383	ug/l	93
5) Bromomethane	1.35	94	55900	25.135	ug/l	95
6) Chloroethane	1.43	64	36400	25.404	ug/l #	87
7) Trichlorofluoromethane	1.52	101	167344	25.121	ug/l	99
8) Diethyl Ether	1.70	74	18781	20.572	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.90	101	75255	23.584	ug/l	97
10) Methyl Iodide	1.96	142	113479m	23.320	ug/l	
11) Tert butyl alcohol	2.67	59	22249	115.650	ug/l #	58
12) 1,1-Dichloroethene	1.86	96	55723	22.601	ug/l	96
13) Acrolein	2.08	56	15449	99.854	ug/l	92
14) Allyl chloride	2.17	41	80835	20.461	ug/l	91
15) Acrylonitrile	3.06	53	37893	114.950	ug/l	91
16) Acetone	2.32	43	102716	147.026	ug/l	100
17) Carbon Disulfide	1.89	76	170504m	22.838	ug/l	
18) Methyl Acetate	2.44	43	27508	22.018	ug/l #	82
19) Methyl tert-butyl Ether	2.53	73	136424	22.718	ug/l #	86
20) Methylene Chloride	2.26	84	57103m	21.415	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	55878	22.693	ug/l	93
22) Diisopropyl ether	2.91	45	163334	22.778	ug/l #	98
23) Vinyl Acetate	3.32	43	304312	106.833	ug/l	99
24) 1,1-Dichloroethane	2.98	63	111868	23.069	ug/l	97
25) 2-Butanone	4.49	43	95018	115.376	ug/l #	89
26) 2,2-Dichloropropane	3.74	77	67384	24.535	ug/l	91
27) cis-1,2-Dichloroethene	3.61	96	62094	22.554	ug/l	91
28) Bromochloromethane	3.86	49	39605	22.161	ug/l #	81
29) Tetrahydrofuran	4.24	42	35401	111.573	ug/l	94
30) Chloroform	4.02	83	141366	23.626	ug/l	98
31) Cyclohexane	3.84	56	74092	21.278	ug/l	97
32) 1,1,1-Trichloroethane	4.25	97	117272	23.552	ug/l	94
36) 1,1-Dichloropropene	4.43	75	95075	22.605	ug/l	94
37) Ethyl Acetate	4.26	43	34099	21.172	ug/l	85
38) Carbon Tetrachloride	4.14	117	132855	25.951	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060462.D
 Acq On : 5 Oct 2018 18:13
 Operator : VA/AP
 Sample : VF1005SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1005SBSD01

Manual Integrations
 APPROVED

apatel
 10/8/2018 9:43:38 AM

Quant Time: Oct 06 04:54:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	86928	21.083	ug/l	91
40) Benzene	4.78	78	183974	22.034	ug/l	99
41) Methacrylonitrile	4.90	41	17689	20.714	ug/l	93
42) 1,2-Dichloroethane	5.09	62	94779	23.794	ug/l	96
43) Isopropyl Acetate	7.09	43	41818	21.485	ug/l #	97
44) Trichloroethene	5.65	130	58149	21.705	ug/l	96
45) 1,2-Dichloropropane	6.38	63	46443	20.887	ug/l	98
46) Dibromomethane	6.23	93	39568	22.133	ug/l	99
47) Bromodichloromethane	6.53	83	97708	22.068	ug/l	92
48) Methyl methacrylate	6.84	41	30292	21.681	ug/l	93
49) 1,4-Dioxane	6.85	88	4825	400.527	ug/l #	91
51) 4-Methyl-2-Pentanone	8.38	43	158183	114.170	ug/l	95
52) Toluene	7.76	92	113202	19.961	ug/l	87
53) t-1,3-Dichloropropene	8.40	75	73940	21.309	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	86444	21.316	ug/l	94
55) 1,1,2-Trichloroethane	8.62	97	36160	20.116	ug/l	95
56) Ethyl methacrylate	8.74	69	38998	19.092	ug/l	96
57) 1,3-Dichloropropane	8.98	76	63830	20.990	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.75	63	23036	110.407	ug/l	100
59) 2-Hexanone	9.60	43	120251	118.328	ug/l	88
60) Dibromochloromethane	8.85	129	57110	21.101	ug/l	99
61) 1,2-Dibromoethane	9.12	107	43215	21.971	ug/l	98
64) Tetrachloroethene	8.28	164	50975	21.504	ug/l	97
65) Chlorobenzene	9.92	112	137239	22.404	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	59261	22.156	ug/l	90
67) Ethyl Benzene	10.02	91	262468	22.535	ug/l	97
68) m/p-Xylenes	10.24	106	173895	43.431	ug/l	91
69) o-Xylene	10.81	106	96576	22.128	ug/l	96
70) Styrene	10.89	104	145756	23.479	ug/l	93
71) Bromoform	10.88	173	30870	21.678	ug/l #	95
73) Isopropylbenzene	11.21	105	299661	22.191	ug/l	97
74) N-amyl acetate	11.45	43	65793	21.229	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	54519	22.145	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	40381	22.280	ug/l	94
77) Bromobenzene	11.58	156	64627	21.410	ug/l	89
78) n-propylbenzene	11.67	91	374653	22.886	ug/l	100
79) 2-Chlorotoluene	11.80	91	207522	21.671	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	264829	23.083	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	15971m	19.879	ug/l	
82) 4-Chlorotoluene	11.97	91	213771	21.818	ug/l	100
83) tert-Butylbenzene	12.21	119	258526	22.846	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	258131	22.687	ug/l	95
85) sec-Butylbenzene	12.37	105	357688	22.900	ug/l	93
86) p-Isopropyltoluene	12.52	119	297087	23.281	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	125774	22.143	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	128449	22.933	ug/l	97
89) n-Butylbenzene	12.91	91	321592	23.816	ug/l	93
90) Hexachloroethane	12.99	117	71430	21.658	ug/l	72
91) 1,2-Dichlorobenzene	13.00	146	120032	22.055	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	10838	22.708	ug/l	81

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060462.D
Acq On : 5 Oct 2018 18:13
Operator : VA/AP
Sample : VF1005SBSD01
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBSD01

Manual Integrations
APPROVED

apatel
10/8/2018 9:43:38 AM

Quant Time: Oct 06 04:54:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	94600	23.256	ug/l	97
94) Hexachlorobutadiene	14.25	225	68122	23.994	ug/l	92
95) Naphthalene	14.51	128	159470	21.926	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	86669	22.729	ug/l	97

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

