

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060532.D
 Acq On : 29 Oct 2018 16:56
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/30/2018 2:06:39 PM

Quant Time: Oct 30 04:48:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	308281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	491589	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	405286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	251221	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	47049	7.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.94%	
35) Dibromofluoromethane	4.31	113	48200	8.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.94%	
50) Toluene-d8	7.72	98	121042	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	
62) 4-Bromofluorobenzene	11.52	95	53335	8.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.62%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.00	85	76617	9.641	ug/l	95
3) Chloromethane	1.15	50	39824	10.404	ug/l	96
4) Vinyl Chloride	1.20	62	41637	9.608	ug/l	97
5) Bromomethane	1.36	94	29691	6.989	ug/l	98
6) Chloroethane	1.44	64	20451	7.795	ug/l	91
7) Trichlorofluoromethane	1.54	101	92208	6.904	ug/l	89
8) Diethyl Ether	1.71	74	11383	8.769	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.91	101	47421	8.223	ug/l	94
10) Methyl Iodide	1.99	142	71165m	8.614	ug/l	
11) Tert butyl alcohol	2.70	59	11592	37.449	ug/l	99
12) 1,1-Dichloroethene	1.87	96	34771	8.293	ug/l	96
13) Acrolein	2.09	56	10285m	40.134	ug/l	
14) Allyl chloride	2.19	41	52657	7.826	ug/l	93
15) Acrylonitrile	3.08	53	24774	50.177	ug/l	96
16) Acetone	2.34	43	57516	41.601	ug/l	93
17) Carbon Disulfide	1.89	76	99869m	8.516	ug/l	
18) Methyl Acetate	2.46	43	12318	6.338	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	75167	7.208	ug/l	96
20) Methylene Chloride	2.28	84	39455m	9.323	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	37294	9.162	ug/l	97
22) Diisopropyl ether	2.93	45	98526	8.203	ug/l	98
23) Vinyl Acetate	3.35	43	180072	45.808	ug/l	98
24) 1,1-Dichloroethane	3.01	63	77262	8.557	ug/l	99
25) 2-Butanone	4.52	43	75890	68.404	ug/l	94
26) 2,2-Dichloropropane	3.77	77	49290	8.206	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	42987	10.626	ug/l	90
28) Bromochloromethane	3.90	49	26842	9.574	ug/l	99
29) Tetrahydrofuran	4.26	42	17961	41.346	ug/l #	86
30) Chloroform	4.05	83	96095	9.000	ug/l	96
31) Cyclohexane	3.87	56	57765	12.026	ug/l	87
32) 1,1,1-Trichloroethane	4.29	97	78332	8.079	ug/l #	92
36) 1,1-Dichloropropene	4.47	75	66785	9.365	ug/l	96
37) Ethyl Acetate	4.29	43	18527	7.876	ug/l #	75
38) Carbon Tetrachloride	4.19	117	79160m	7.625	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060532.D
 Acq On : 29 Oct 2018 16:56
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/30/2018 2:06:39 PM

Quant Time: Oct 30 04:48:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	70227	11.699	ug/l	97
40) Benzene	4.82	78	126551	10.435	ug/l	100
41) Methacrylonitrile	4.93	41	12434	10.269	ug/l #	83
42) 1,2-Dichloroethane	5.13	62	55883	7.552	ug/l	96
43) Isopropyl Acetate	7.13	43	19137	7.545	ug/l #	91
44) Trichloroethene	5.68	130	41761	10.047	ug/l	100
45) 1,2-Dichloropropane	6.42	63	32808	10.796	ug/l	98
46) Dibromomethane	6.26	93	23274	8.334	ug/l #	81
47) Bromodichloromethane	6.56	83	58421	7.573	ug/l #	97
48) Methyl methacrylate	6.89	41	15609	8.312	ug/l	91
49) 1,4-Dioxane	6.87	88	2971	179.616	ug/l #	63
51) 4-Methyl-2-Pentanone	8.41	43	89104	46.154	ug/l	90
52) Toluene	7.79	92	80343	10.062	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	44204	7.660	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	55242	9.143	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	22658	9.131	ug/l	90
56) Ethyl methacrylate	8.77	69	24797	9.147	ug/l	93
57) 1,3-Dichloropropane	9.01	76	38501	8.766	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	13955	39.886	ug/l	100
59) 2-Hexanone	9.63	43	56450	39.258	ug/l	88
60) Dibromochloromethane	8.88	129	34966	7.587	ug/l	99
61) 1,2-Dibromoethane	9.14	107	25742	8.774	ug/l	95
64) Tetrachloroethene	8.31	164	37840	10.839	ug/l	89
65) Chlorobenzene	9.95	112	84066	9.776	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	39196	9.126	ug/l	96
67) Ethyl Benzene	10.05	91	166388	9.619	ug/l	93
68) m/p-Xylenes	10.28	106	117383	21.434	ug/l	96
69) o-Xylene	10.84	106	65055	10.484	ug/l	90
70) Styrene	10.91	104	83767	9.654	ug/l	90
71) Bromoform	10.91	173	19403	8.387	ug/l #	83
73) Isopropylbenzene	11.23	105	208236	10.438	ug/l	94
74) N-amyl acetate	11.47	43	37353	10.312	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	32961	11.135	ug/l	91
76) 1,2,3-Trichloropropane	11.89	75	22985	9.139	ug/l	91
77) Bromobenzene	11.61	156	42699	10.175	ug/l	78
78) n-propylbenzene	11.69	91	243672	10.474	ug/l	94
79) 2-Chlorotoluene	11.82	91	144395	10.245	ug/l	92
80) 1,3,5-Trimethylbenzene	11.92	105	182578	10.456	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	9668m	9.152	ug/l	
82) 4-Chlorotoluene	12.00	91	151143	10.129	ug/l	95
83) tert-Butylbenzene	12.23	119	183717	10.557	ug/l	94
84) 1,2,4-Trimethylbenzene	12.30	105	185222	10.715	ug/l	97
85) sec-Butylbenzene	12.39	105	258774	10.959	ug/l	96
86) p-Isopropyltoluene	12.54	119	212534	10.643	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	90159	10.615	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	84537	10.337	ug/l	93
89) n-Butylbenzene	12.93	91	229953	10.809	ug/l	94
90) Hexachloroethane	13.01	117	52749	10.097	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	85549	10.507	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6298	8.759	ug/l	83

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF102918\
Data File : VF060532.D
Acq On : 29 Oct 2018 16:56
Operator : VA/AP
Sample : VSTDICC010
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

apatel
10/30/2018 2:06:39 PM

Quant Time: Oct 30 04:48:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 30 04:16:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	66484	10.202	ug/l	96
94) Hexachlorobutadiene	14.26	225	46621	9.708	ug/l	97
95) Naphthalene	14.53	128	106591	10.174	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	62878	10.475	ug/l	95

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

