

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062626.D
 Acq On : 16 May 2019 15:00
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:26 PM

Quant Time: May 17 05:23:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	809076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1309748	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	980541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	469996	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	57536	10.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	20.12%	
35) Dibromofluoromethane	4.32	113	109495	10.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	21.86%	
50) Toluene-d8	7.71	98	254433	10.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	21.26%	
62) 4-Bromofluorobenzene	11.50	95	96502	10.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	21.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	108746	9.877	ug/l	99
3) Chloromethane	1.16	50	95973	9.467	ug/l	100
4) Vinyl Chloride	1.20	62	87382	9.364	ug/l	91
5) Bromomethane	1.40	94	48396	9.480	ug/l	85
6) Chloroethane	1.46	64	32279	9.418	ug/l #	86
7) Trichlorofluoromethane	1.56	101	123115m	10.429	ug/l	
8) Diethyl Ether	1.71	74	23995	9.666	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.92	101	79552	9.971	ug/l	90
10) Methyl Iodide	2.00	142	159129	10.153	ug/l	95
11) Tert butyl alcohol	2.71	59	20289	53.751	ug/l	98
12) 1,1-Dichloroethene	1.89	96	74187	10.207	ug/l	92
13) Acrolein	2.11	56	24598	62.429	ug/l	82
14) Allyl chloride	2.20	41	61485	8.610	ug/l	95
15) Acrylonitrile	3.09	53	56613	53.170	ug/l	91
16) Acetone	2.35	43	78329	52.809	ug/l	94
17) Carbon Disulfide	1.93	76	208727	10.079	ug/l	98
18) Methyl Acetate	2.46	43	23157	9.136	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	134422	10.346	ug/l	98
20) Methylene Chloride	2.34	84	77973m	10.549	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	68787	9.683	ug/l	96
22) Diisopropyl ether	2.94	45	170427	10.505	ug/l	98
23) Vinyl Acetate	3.36	43	603982	55.187	ug/l	97
24) 1,1-Dichloroethane	3.01	63	110904	9.318	ug/l	99
25) 2-Butanone	4.54	43	165792	52.317	ug/l	95
26) 2,2-Dichloropropane	3.78	77	64573	9.482	ug/l	78
27) cis-1,2-Dichloroethene	3.65	96	119730	10.246	ug/l	100
28) Bromochloromethane	3.91	49	74312	11.133	ug/l	98
29) Tetrahydrofuran	4.28	42	75119	58.578	ug/l	98
30) Chloroform	4.06	83	166675	10.086	ug/l	93
31) Cyclohexane	3.88	56	165103m	11.142	ug/l	
32) 1,1,1-Trichloroethane	4.29	97	104004	9.477	ug/l	94
36) 1,1-Dichloropropene	4.48	75	140112	10.440	ug/l	97
37) Ethyl Acetate	4.31	43	60789	11.093	ug/l #	75
38) Carbon Tetrachloride	4.19	117	89171	9.431	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062626.D
 Acq On : 16 May 2019 15:00
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:26 PM

Quant Time: May 17 05:23:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	161310	9.989	ug/l	95
40) Benzene	4.84	78	377813	10.333	ug/l	97
41) Methacrylonitrile	4.94	41	30765	10.709	ug/l	90
42) 1,2-Dichloroethane	5.14	62	75323	10.331	ug/l	91
43) Isopropyl Acetate	7.12	43	86901	12.241	ug/l #	95
44) Trichloroethene	5.68	130	108649	10.573	ug/l	95
45) 1,2-Dichloropropane	6.41	63	96610	10.467	ug/l	96
46) Dibromomethane	6.27	93	56214	10.539	ug/l #	79
47) Bromodichloromethane	6.56	83	106468	9.615	ug/l	93
48) Methyl methacrylate	6.89	41	41120	11.082	ug/l	94
49) 1,4-Dioxane	6.88	88	11012	231.706	ug/l #	86
51) 4-Methyl-2-Pentanone	8.40	43	311119	64.114	ug/l	98
52) Toluene	7.78	92	189854	9.901	ug/l	78
53) t-1,3-Dichloropropene	8.43	75	94664	10.449	ug/l	93
54) cis-1,3-Dichloropropene	7.47	75	131230	10.348	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	58282	10.266	ug/l	92
56) Ethyl methacrylate	8.76	69	79480	11.751	ug/l	96
57) 1,3-Dichloropropane	9.01	76	100202	10.362	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	116397	52.868	ug/l	96
59) 2-Hexanone	9.63	43	246720	69.539	ug/l	98
60) Dibromochloromethane	8.87	129	75699	10.230	ug/l	93
61) 1,2-Dibromoethane	9.13	107	60307	10.001	ug/l	94
64) Tetrachloroethene	8.32	164	80418	10.352	ug/l	94
65) Chlorobenzene	9.94	112	198765	10.321	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	82461	10.666	ug/l	92
67) Ethyl Benzene	10.03	91	356995	10.670	ug/l	96
68) m/p-Xylenes	10.27	106	258818	20.583	ug/l	81
69) o-Xylene	10.82	106	134063	10.351	ug/l	98
70) Styrene	10.90	104	197001	10.007	ug/l	95
71) Bromoform	10.88	173	38305	9.892	ug/l #	100
73) Isopropylbenzene	11.21	105	344663	10.232	ug/l	91
74) N-amyl acetate	11.45	43	167296	16.098	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	74279	10.790	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	53156	11.752	ug/l	99
77) Bromobenzene	11.58	156	90359	10.792	ug/l	94
78) n-propylbenzene	11.68	91	435784	10.931	ug/l	93
79) 2-Chlorotoluene	11.80	91	252669	11.246	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	300521	11.126	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.94	75	21006m	8.359	ug/l	
82) 4-Chlorotoluene	11.97	91	240436	10.852	ug/l	87
83) tert-Butylbenzene	12.20	119	293757	10.720	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	292369	11.184	ug/l	89
85) sec-Butylbenzene	12.37	105	414723	11.277	ug/l	92
86) p-Isopropyltoluene	12.53	119	343382	11.079	ug/l	94
87) 1,3-Dichlorobenzene	12.54	146	167494	11.057	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	155165	10.915	ug/l	97
89) n-Butylbenzene	12.90	91	362407	11.860	ug/l	87
90) Hexachloroethane	12.98	117	78379	10.542	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	146246	10.830	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	9176	11.173	ug/l	89

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051619\
Data File : VF062626.D
Acq On : 16 May 2019 15:00
Operator : FY/SY
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

MMDadoda
5/17/2019 4:20:26 PM

Quant Time: May 17 05:23:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 04:56:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	109132	11.291	ug/l	91
94) Hexachlorobutadiene	14.23	225	71894	10.658	ug/l	94
95) Naphthalene	14.50	128	230470	13.125	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	96699	10.562	ug/l	98

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

