

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062169.D
 Acq On : 16 Apr 2019 10:50
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 17 07:35:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:22:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	476171	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	754354	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	599181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	301055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	19206	4.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	8.96%	
35) Dibromofluoromethane	4.30	113	27455	4.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	9.22%	
50) Toluene-d8	7.70	98	80232	4.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	9.22%	
62) 4-Bromofluorobenzene	11.50	95	33370	4.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	35197	5.029	ug/l	96
3) Chloromethane	1.15	50	33729	4.484	ug/l	98
4) Vinyl Chloride	1.18	62	32088	4.872	ug/l	98
5) Bromomethane	1.38	94	20602	4.874	ug/l	99
6) Chloroethane	1.44	64	15958	5.121	ug/l	96
7) Trichlorofluoromethane	1.56	101	40114	5.107	ug/l	90
8) Diethyl Ether	1.71	74	8677	5.476	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.91	101	25275	4.916	ug/l	98
10) Methyl Iodide	1.98	142	47119	4.917	ug/l	98
11) Tert butyl alcohol	2.68	59	5726	24.080	ug/l #	1
12) 1,1-Dichloroethene	1.86	96	27490	5.258	ug/l	96
13) Acrolein	2.09	56	5722	30.861	ug/l #	56
14) Allyl chloride	2.20	41	36964	4.695	ug/l	96
15) Acrylonitrile	3.08	53	23471	26.806	ug/l	89
16) Acetone	2.34	43	30404	31.434	ug/l	94
17) Carbon Disulfide	1.90	76	69875	4.699	ug/l #	88
18) Methyl Acetate	2.46	43	18578	8.096	ug/l #	83
19) Methyl tert-butyl Ether	2.54	73	45090	5.185	ug/l #	90
20) Methylene Chloride	2.33	84	37963m	6.850	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	26492	5.296	ug/l	88
22) Diisopropyl ether	2.93	45	76802	5.248	ug/l #	90
23) Vinyl Acetate	3.34	43	168760	23.118	ug/l	98
24) 1,1-Dichloroethane	3.01	63	40958	5.026	ug/l	96
25) 2-Butanone	4.52	43	52527	25.273	ug/l	97
26) 2,2-Dichloropropane	3.77	77	22350	5.214	ug/l	93
27) cis-1,2-Dichloroethene	3.64	96	32705	4.925	ug/l	99
28) Bromochloromethane	3.91	49	18047	4.625	ug/l #	97
29) Tetrahydrofuran	4.27	42	24841	26.880	ug/l	98
30) Chloroform	4.04	83	50264	4.961	ug/l	99
31) Cyclohexane	3.87	56	52826	5.022	ug/l #	94
32) 1,1,1-Trichloroethane	4.29	97	32910	4.764	ug/l	98
36) 1,1-Dichloropropene	4.47	75	40834	4.872	ug/l	98
37) Ethyl Acetate	4.30	43	20121	5.210	ug/l #	88
38) Carbon Tetrachloride	4.18	117	31923	4.355	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062169.D
 Acq On : 16 Apr 2019 10:50
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 17 07:35:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:22:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.63	83	52524	5.001	ug/l	97
40) Benzene	4.81	78	112090	5.063	ug/l	100
41) Methacrylonitrile	4.93	41	13503	5.819	ug/l #	88
42) 1,2-Dichloroethane	5.12	62	27555	4.917	ug/l	99
43) Isopropyl Acetate	7.11	43	22984	5.121	ug/l #	92
44) Trichloroethene	5.68	130	29653	5.004	ug/l	99
45) 1,2-Dichloropropane	6.41	63	28832	5.308	ug/l	90
46) Dibromomethane	6.26	93	16701	5.099	ug/l	97
47) Bromodichloromethane	6.55	83	37923	5.111	ug/l #	92
48) Methyl methacrylate	6.87	41	16155	5.530	ug/l	93
49) 1,4-Dioxane	6.87	88	2764	121.410	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	84703	24.635	ug/l	93
52) Toluene	7.78	92	65778	5.058	ug/l	83
53) t-1,3-Dichloropropene	8.42	75	31694	4.931	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	41349	5.060	ug/l	90
55) 1,1,2-Trichloroethane	8.63	97	16970	4.556	ug/l	97
56) Ethyl methacrylate	8.76	69	21193	4.785	ug/l #	85
57) 1,3-Dichloropropane	8.99	76	31462	5.138	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.44	63	29215	25.599	ug/l	98
59) 2-Hexanone	9.62	43	58819	26.879	ug/l	93
60) Dibromochloromethane	8.85	129	24258	4.733	ug/l	96
61) 1,2-Dibromoethane	9.13	107	20744	5.205	ug/l	97
64) Tetrachloroethene	8.30	164	24376	4.981	ug/l	97
65) Chlorobenzene	9.93	112	61908	4.967	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	26863	5.220	ug/l	97
67) Ethyl Benzene	10.03	91	123231	5.333	ug/l	93
68) m/p-Xylenes	10.25	106	86416	10.158	ug/l	78
69) o-Xylene	10.82	106	46007	4.996	ug/l	97
70) Styrene	10.88	104	68453	5.114	ug/l	95
71) Bromoform	10.87	173	13643	5.063	ug/l #	96
73) Isopropylbenzene	11.21	105	137079	5.285	ug/l	96
74) N-amyl acetate	11.45	43	39766	5.882	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.77	83	23807	5.153	ug/l	93
76) 1,2,3-Trichloropropane	11.87	75	15888	5.075	ug/l	97
77) Bromobenzene	11.57	156	28153	5.219	ug/l	98
78) n-propylbenzene	11.67	91	161291	5.471	ug/l	97
79) 2-Chlorotoluene	11.79	91	92550	5.326	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	120053	5.550	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	8796m	5.222	ug/l	
82) 4-Chlorotoluene	11.97	91	92556	5.435	ug/l	99
83) tert-Butylbenzene	12.20	119	115962	5.399	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	113882	5.425	ug/l	92
85) sec-Butylbenzene	12.36	105	157787	5.587	ug/l	95
86) p-Isopropyltoluene	12.52	119	130452	5.422	ug/l	95
87) 1,3-Dichlorobenzene	12.53	146	54226	5.495	ug/l	92
88) 1,4-Dichlorobenzene	12.62	146	50637	5.263	ug/l	92
89) n-Butylbenzene	12.90	91	136690	5.676	ug/l	94
90) Hexachloroethane	12.97	117	31055	5.269	ug/l	96
91) 1,2-Dichlorobenzene	12.99	146	51668	5.456	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.68	75	4598	5.526	ug/l	90

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041619\
Data File : VF062169.D
Acq On : 16 Apr 2019 10:50
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Apr 17 07:35:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 07:22:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	38675	5.437	ug/l	91
94) Hexachlorobutadiene	14.23	225	24175	5.215	ug/l	100
95) Naphthalene	14.49	128	63279	5.092	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	34771	5.247	ug/l	92

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

