

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062125.D
 Acq On : 23 Mar 2019 19:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:41:02 PM

Quant Time: Mar 25 04:25:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	253541	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	393597	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	346196	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	171943	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	95904	50.85	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.70%	
35) Dibromofluoromethane	4.11	113	139434	52.37	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	104.74%	
50) Toluene-d8	7.55	98	401457	50.51	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.41	95	156119	50.88	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	170169	52.391	ug/l	98
3) Chloromethane	1.10	50	180120	52.998	ug/l	95
4) Vinyl Chloride	1.14	62	173665	55.243	ug/l	91
5) Bromomethane	1.32	94	116162	51.404	ug/l	90
6) Chloroethane	1.41	64	82166	51.921	ug/l	94
7) Trichlorofluoromethane	1.49	101	211273m	55.647	ug/l	
8) Diethyl Ether	1.63	74	48351	55.751	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	140613	54.287	ug/l	95
10) Methyl Iodide	1.92	142	273505m	55.566	ug/l	
11) Tert butyl alcohol	2.57	59	27486	264.891	ug/l	99
12) 1,1-Dichloroethene	1.80	96	133637	54.681	ug/l	98
13) Acrolein	2.00	56	36822	295.105	ug/l	97
14) Allyl chloride	2.10	41	141362	54.177	ug/l	98
15) Acrylonitrile	2.94	53	94998	260.353	ug/l	92
16) Acetone	2.23	43	98866	249.090	ug/l	100
17) Carbon Disulfide	1.82	76	403283	54.114	ug/l	97
18) Methyl Acetate	2.34	43	45216	47.757	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	218609	56.596	ug/l	94
20) Methylene Chloride	2.18	84	132465m	55.886	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	137141	58.321	ug/l	92
22) Diisopropyl ether	2.80	45	377985	55.252	ug/l	96
23) Vinyl Acetate	3.18	43	817042	291.701	ug/l	100
24) 1,1-Dichloroethane	2.88	63	223700	54.528	ug/l	99
25) 2-Butanone	4.34	43	222821	268.913	ug/l	97
26) 2,2-Dichloropropane	3.60	77	85590	51.456	ug/l	92
27) cis-1,2-Dichloroethene	3.48	96	171394	55.005	ug/l	96
28) Bromochloromethane	3.71	49	99970	59.642	ug/l	93
29) Tetrahydrofuran	4.07	42	98653	273.837	ug/l	97
30) Chloroform	3.85	83	244005	56.279	ug/l	99
31) Cyclohexane	3.69	56	242246m	56.538	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	141156	53.522	ug/l	99
36) 1,1-Dichloropropene	4.28	75	209275	55.821	ug/l	95
37) Ethyl Acetate	4.11	43	84452	51.545	ug/l	91
38) Carbon Tetrachloride	3.99	117	135308	52.954	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	250197	57.502	ug/l	97
40) Benzene	4.63	78	552785	55.002	ug/l	97
41) Methacrylonitrile	4.74	41	46996	54.211	ug/l	96
42) 1,2-Dichloroethane	4.94	62	128673	54.140	ug/l	100
43) Isopropyl Acetate	6.96	43	102826	51.822	ug/l	100
44) Trichloroethene	5.50	130	165327	53.805	ug/l	99
45) 1,2-Dichloropropane	6.23	63	131749	54.962	ug/l	99
46) Dibromomethane	6.08	93	81349	55.503	ug/l	94
47) Bromodichloromethane	6.39	83	182386	56.180	ug/l	94
48) Methyl methacrylate	6.71	41	62336	55.176	ug/l	95
49) 1,4-Dioxane	6.70	88	11499	1159.963	ug/l	91
51) 4-Methyl-2-Pentanone	8.25	43	355488	267.675	ug/l	96
52) Toluene	7.62	92	337178	57.922	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	141658	55.584	ug/l	94
54) cis-1,3-Dichloropropene	7.29	75	203798	55.888	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	92444	55.908	ug/l	96
56) Ethyl methacrylate	8.61	69	112581	57.090	ug/l	98
57) 1,3-Dichloropropane	8.85	76	150924	54.995	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	99648	333.011	ug/l	99
59) 2-Hexanone	9.49	43	262105	269.283	ug/l	96
60) Dibromochloromethane	8.71	129	131758	57.320	ug/l	98
61) 1,2-Dibromoethane	8.98	107	98749	55.978	ug/l	98
64) Tetrachloroethene	8.15	164	145520	54.407	ug/l	95
65) Chlorobenzene	9.79	112	352924	54.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	143530	55.163	ug/l	97
67) Ethyl Benzene	9.90	91	620478	55.080	ug/l	99
68) m/p-Xylenes	10.12	106	450461	106.987	ug/l	97
69) o-Xylene	10.71	106	242266	54.938	ug/l	98
70) Styrene	10.78	104	332200	49.720	ug/l	98
71) Bromoform	10.76	173	68158	51.213	ug/l	97
73) Isopropylbenzene	11.12	105	688783	56.929	ug/l	99
74) N-amyl acetate	11.37	43	171529	59.499	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	114524	55.128	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	77578	53.063	ug/l	99
77) Bromobenzene	11.49	156	153963	52.086	ug/l	92
78) n-propylbenzene	11.59	91	769439	54.768	ug/l	97
79) 2-Chlorotoluene	11.71	91	438859	56.200	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	569252	57.200	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	31604m	53.051	ug/l	
82) 4-Chlorotoluene	11.90	91	428204	53.481	ug/l	97
83) tert-Butylbenzene	12.13	119	603230	57.903	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	541900	55.545	ug/l	99
85) sec-Butylbenzene	12.30	105	735739	54.592	ug/l	100
86) p-Isopropyltoluene	12.46	119	661012	56.612	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	297594	54.188	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	294962	55.041	ug/l	99
89) n-Butylbenzene	12.85	91	606426	54.438	ug/l	98
90) Hexachloroethane	12.91	117	158058	56.850	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	283415	54.960	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18644	59.231	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	203706	56.679	ug/l	97
94) Hexachlorobutadiene	14.19	225	135527	56.713	ug/l	97
95) Naphthalene	14.45	128	359482	57.077	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	192069	57.092	ug/l	99

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

