

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062216.D
 Acq On : 18 Apr 2019 21:01
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:52:51 AM

Quant Time: Apr 19 03:31:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	431616	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	600278	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	483428	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	259792	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	198028	50.04	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	4.31	113	249361	47.49	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	7.71	98	694884	52.28	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.49	95	270919	52.98	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	309763	47.226	ug/l	97
3) Chloromethane	1.14	50	305571	45.072	ug/l	99
4) Vinyl Chloride	1.19	62	272166	46.727	ug/l	100
5) Bromomethane	1.40	94	181140	53.534	ug/l	95
6) Chloroethane	1.44	64	119734	49.173	ug/l	98
7) Trichlorofluoromethane	1.56	101	369905	49.990	ug/l	94
8) Diethyl Ether	1.72	74	68510	44.485	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	245003	48.467	ug/l	99
10) Methyl Iodide	1.98	142	444370	49.483	ug/l	90
11) Tert butyl alcohol	2.71	59	65947	239.717	ug/l	94
12) 1,1-Dichloroethene	1.87	96	219986	45.754	ug/l	96
13) Acrolein	2.10	56	29186	241.871	ug/l	88
14) Allyl chloride	2.20	41	238545	43.232	ug/l	100
15) Acrylonitrile	3.10	53	191104	228.074	ug/l	99
16) Acetone	2.36	43	222566	235.272	ug/l	98
17) Carbon Disulfide	1.92	76	643279m	48.148	ug/l	
18) Methyl Acetate	2.46	43	95281	46.327	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	428523	50.480	ug/l	96
20) Methylene Chloride	2.34	84	226775	48.639	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	228908	48.143	ug/l	98
22) Diisopropyl ether	2.95	45	675175	47.835	ug/l	99
23) Vinyl Acetate	3.35	43	1660071	246.856	ug/l	99
24) 1,1-Dichloroethane	3.02	63	376373	48.746	ug/l	99
25) 2-Butanone	4.53	43	450145	237.977	ug/l	97
26) 2,2-Dichloropropane	3.78	77	173709	44.561	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	299288	48.607	ug/l	98
28) Bromochloromethane	3.90	49	162529	43.943	ug/l #	96
29) Tetrahydrofuran	4.28	42	196171	229.123	ug/l	97
30) Chloroform	4.05	83	475403	50.100	ug/l	97
31) Cyclohexane	3.88	56	420371	45.431	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	362153	52.140	ug/l #	90
36) 1,1-Dichloropropene	4.48	75	374408	52.023	ug/l	99
37) Ethyl Acetate	4.31	43	166938	49.155	ug/l #	96
38) Carbon Tetrachloride	4.19	117	329834m	51.776	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	429104	49.797	ug/l	95
40) Benzene	4.83	78	935671	49.566	ug/l	99
41) Methacrylonitrile	4.94	41	89977	45.931	ug/l	95
42) 1,2-Dichloroethane	5.14	62	261800	52.460	ug/l	99
43) Isopropyl Acetate	7.12	43	197897	55.404	ug/l	97
44) Trichloroethene	5.69	130	265731	52.094	ug/l	97
45) 1,2-Dichloropropane	6.41	63	222935	53.613	ug/l	99
46) Dibromomethane	6.26	93	146387	52.913	ug/l	95
47) Bromodichloromethane	6.56	83	327991	52.537	ug/l	98
48) Methyl methacrylate	6.88	41	123568	52.640	ug/l	99
49) 1,4-Dioxane	6.88	88	27498	1021.435	ug/l	99
51) 4-Methyl-2-Pentanone	8.41	43	681844	256.650	ug/l	98
52) Toluene	7.78	92	535803	53.846	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	257422	54.898	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	338651	53.392	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	153595	55.099	ug/l	98
56) Ethyl methacrylate	8.75	69	186627	58.885	ug/l	99
57) 1,3-Dichloropropane	9.00	76	248402	55.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	266501	289.620	ug/l	99
59) 2-Hexanone	9.62	43	455072	274.668	ug/l	95
60) Dibromochloromethane	8.86	129	233986	56.440	ug/l	98
61) 1,2-Dibromoethane	9.14	107	178599	56.868	ug/l	97
64) Tetrachloroethene	8.31	164	251729	57.683	ug/l	99
65) Chlorobenzene	9.94	112	556560	53.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	240460	49.813	ug/l	99
67) Ethyl Benzene	10.03	91	974700	52.001	ug/l	100
68) m/p-Xylenes	10.26	106	705354	102.223	ug/l	97
69) o-Xylene	10.82	106	386841	50.495	ug/l	98
70) Styrene	10.89	104	582879	53.914	ug/l	99
71) Bromoform	10.88	173	139098	54.576	ug/l #	98
73) Isopropylbenzene	11.22	105	1109867	49.734	ug/l	99
74) N-amyl acetate	11.44	43	294294	55.837	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	193331	50.375	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	132400	50.143	ug/l #	64
77) Bromobenzene	11.58	156	265437	55.524	ug/l	92
78) n-propylbenzene	11.67	91	1183293	50.264	ug/l	98
79) 2-Chlorotoluene	11.80	91	721114	50.497	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	926103	49.826	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	68410m	50.801	ug/l	
82) 4-Chlorotoluene	11.98	91	704600	51.055	ug/l	97
83) tert-Butylbenzene	12.20	119	938473	48.825	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	863448	48.006	ug/l	98
85) sec-Butylbenzene	12.37	105	1211000	48.529	ug/l	98
86) p-Isopropyltoluene	12.52	119	1053521	49.770	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	455254	51.318	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	451179	52.727	ug/l	99
89) n-Butylbenzene	12.90	91	932548	53.982	ug/l	99
90) Hexachloroethane	12.97	117	272136	50.065	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	439643	51.324	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	36689	48.657	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	360697	50.327	ug/l	98
94) Hexachlorobutadiene	14.23	225	258267	52.553	ug/l	99
95) Naphthalene	14.49	128	657177	52.441	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	358590	52.116	ug/l	99

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

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