

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061741.D
 Acq On : 26 Feb 2019 14:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 3:19:17 PM

Quant Time: Feb 27 04:15:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	319156	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	483411	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	398051	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	228386	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	111975	47.84	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	4.09	113	172443	48.04	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	7.53	98	485549	47.05	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.10%	
62) 4-Bromofluorobenzene	11.39	95	195336	46.78	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	174504	47.611	ug/l	95
3) Chloromethane	1.09	50	174099	45.273	ug/l	100
4) Vinyl Chloride	1.13	62	173410	48.507	ug/l	96
5) Bromomethane	1.31	94	129053	52.452	ug/l	97
6) Chloroethane	1.40	64	89179	50.619	ug/l	96
7) Trichlorofluoromethane	1.48	101	233167m	54.076	ug/l	
8) Diethyl Ether	1.62	74	48286	44.437	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	152233	48.940	ug/l	98
10) Methyl Iodide	1.91	142	299671m	50.433	ug/l	
11) Tert butyl alcohol	2.56	59	30664	226.388	ug/l	96
12) 1,1-Dichloroethene	1.79	96	146523	53.576	ug/l	99
13) Acrolein	1.99	56	33995	199.695	ug/l	87
14) Allyl chloride	2.09	41	157051	46.798	ug/l	96
15) Acrylonitrile	2.92	53	106831	222.360	ug/l	99
16) Acetone	2.22	43	133721	266.298	ug/l	93
17) Carbon Disulfide	1.81	76	421487m	49.030	ug/l	
18) Methyl Acetate	2.33	43	54509	48.186	ug/l	95
19) Methyl tert-butyl Ether	2.41	73	243669	52.133	ug/l	100
20) Methylene Chloride	2.17	84	138124m	51.403	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	120311	40.468	ug/l	99
22) Diisopropyl ether	2.79	45	406742	50.491	ug/l	96
23) Vinyl Acetate	3.17	43	875258	222.449	ug/l	100
24) 1,1-Dichloroethane	2.86	63	247854	50.841	ug/l	99
25) 2-Butanone	4.31	43	260946	237.905	ug/l	98
26) 2,2-Dichloropropane	3.58	77	109839	53.192	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	188903	48.408	ug/l	98
28) Bromochloromethane	3.69	49	113518	48.531	ug/l	97
29) Tetrahydrofuran	4.05	42	109849	220.347	ug/l	97
30) Chloroform	3.83	83	287187	51.801	ug/l	99
31) Cyclohexane	3.66	56	257270m	48.749	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	166861	45.946	ug/l	98
36) 1,1-Dichloropropene	4.26	75	238713	49.848	ug/l	94
37) Ethyl Acetate	4.08	43	91517	41.145	ug/l #	62
38) Carbon Tetrachloride	3.97	117	166821	50.449	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	279839	49.411	ug/l	97
40) Benzene	4.61	78	590608	47.151	ug/l	99
41) Methacrylonitrile	4.71	41	47562	41.813	ug/l #	91
42) 1,2-Dichloroethane	4.92	62	155077	51.757	ug/l	98
43) Isopropyl Acetate	6.93	43	118542	45.024	ug/l	97
44) Trichloroethene	5.48	130	203137	50.150	ug/l	93
45) 1,2-Dichloropropane	6.21	63	151553	50.055	ug/l	99
46) Dibromomethane	6.06	93	93467	50.138	ug/l	96
47) Bromodichloromethane	6.36	83	210042	51.451	ug/l	98
48) Methyl methacrylate	6.69	41	73696	46.513	ug/l	95
49) 1,4-Dioxane	6.68	88	14574	978.496	ug/l	91
51) 4-Methyl-2-Pentanone	8.23	43	400247	212.756	ug/l	100
52) Toluene	7.60	92	373891	49.217	ug/l	96
53) t-1,3-Dichloropropene	8.25	75	167826	49.396	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	240985	53.250	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	109652	49.128	ug/l	93
56) Ethyl methacrylate	8.59	69	109378	44.015	ug/l	97
57) 1,3-Dichloropropane	8.83	76	175667	47.153	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	89313	208.309	ug/l	97
59) 2-Hexanone	9.47	43	297479	225.584	ug/l	97
60) Dibromochloromethane	8.69	129	160456	51.649	ug/l	99
61) 1,2-Dibromoethane	8.96	107	111399	46.016	ug/l	95
64) Tetrachloroethene	8.13	164	179863	55.281	ug/l	97
65) Chlorobenzene	9.78	112	414715	51.343	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	174200	55.038	ug/l	99
67) Ethyl Benzene	9.88	91	719508	53.564	ug/l	96
68) m/p-Xylenes	10.11	106	540833	105.203	ug/l	93
69) o-Xylene	10.69	106	293148	53.440	ug/l	98
70) Styrene	10.77	104	396314	51.070	ug/l	97
71) Bromoform	10.75	173	86314	50.220	ug/l	98
73) Isopropylbenzene	11.11	105	858905	52.821	ug/l	97
74) N-amyl acetate	11.36	43	179697	46.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	137815	47.308	ug/l	95
76) 1,2,3-Trichloropropane	11.78	75	90661	45.774	ug/l	97
77) Bromobenzene	11.47	156	202266	50.351	ug/l	90
78) n-propylbenzene	11.58	91	892375	47.824	ug/l	98
79) 2-Chlorotoluene	11.70	91	533914	51.091	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	664010	51.093	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	41886m	44.112	ug/l	
82) 4-Chlorotoluene	11.88	91	519728	47.915	ug/l	94
83) tert-Butylbenzene	12.11	119	729411	50.672	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	667497	51.698	ug/l	98
85) sec-Butylbenzene	12.29	105	962467	51.705	ug/l	98
86) p-Isopropyltoluene	12.44	119	830723	53.176	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	389027	49.675	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	383861	50.967	ug/l	98
89) n-Butylbenzene	12.82	91	738926	50.091	ug/l	96
90) Hexachloroethane	12.90	117	201548	55.473	ug/l	95
91) 1,2-Dichlorobenzene	12.92	146	362173	48.621	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	22145	47.946	ug/l	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	271720	50.891	ug/l	98
94) Hexachlorobutadiene	14.18	225	181061	54.909	ug/l	99
95) Naphthalene	14.44	128	464074	49.678	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	261346	53.330	ug/l	97

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

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