

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062878.D
 Acq On : 6 Jun 2019 13:07
 Operator : FY/SY
 Sample : VF0606SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 4:04:00 PM

Quant Time: Jun 07 01:52:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	816189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1355300	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1151130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	530599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	267941	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
35) Dibromofluoromethane	4.33	113	468737	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	
50) Toluene-d8	7.73	98	1207056	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
62) 4-Bromofluorobenzene	11.50	95	469777	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	219641	21.312	ug/l	96
3) Chloromethane	1.14	50	186749	22.113	ug/l	96
4) Vinyl Chloride	1.19	62	170151	20.275	ug/l	98
5) Bromomethane	1.41	94	97682	20.410	ug/l	98
6) Chloroethane	1.45	64	66824	21.297	ug/l #	79
7) Trichlorofluoromethane	1.57	101	259486	21.841	ug/l	98
8) Diethyl Ether	1.72	74	48483	20.742	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.92	101	153562	20.559	ug/l	97
10) Methyl Iodide	2.00	142	310598	20.739	ug/l #	97
11) Tert butyl alcohol	2.71	59	34228	100.109	ug/l	98
12) 1,1-Dichloroethene	1.88	96	140423	20.704	ug/l	98
13) Acrolein	2.12	56	13887	96.651	ug/l #	64
14) Allyl chloride	2.21	41	130898m	24.877	ug/l	
15) Acrylonitrile	3.12	53	100675	78.362	ug/l #	80
16) Acetone	2.37	43	122785	95.051	ug/l #	89
17) Carbon Disulfide	1.92	76	403089	20.334	ug/l	97
18) Methyl Acetate	2.47	43	43717	19.366	ug/l	93
19) Methyl tert-butyl Ether	2.56	73	252863	20.578	ug/l #	92
20) Methylene Chloride	2.35	84	137057m	19.357	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	146415	21.530	ug/l	91
22) Diisopropyl ether	2.96	45	294945	19.729	ug/l	92
23) Vinyl Acetate	3.36	43	1000954	97.802	ug/l	97
24) 1,1-Dichloroethane	3.04	63	222721	19.954	ug/l	99
25) 2-Butanone	4.54	43	291274	96.824	ug/l	99
26) 2,2-Dichloropropane	3.81	77	135925	21.447	ug/l	96
27) cis-1,2-Dichloroethene	3.67	96	231023	20.210	ug/l	95
28) Bromochloromethane	3.92	49	124639	20.528	ug/l	81
29) Tetrahydrofuran	4.29	42	116835	101.544	ug/l	97
30) Chloroform	4.07	83	332028	21.106	ug/l	98
31) Cyclohexane	3.89	56	297390	19.679	ug/l	90
32) 1,1,1-Trichloroethane	4.32	97	220554	24.080	ug/l	95
36) 1,1-Dichloropropene	4.50	75	248128	19.887	ug/l	96
37) Ethyl Acetate	4.33	43	98281	20.606	ug/l #	83
38) Carbon Tetrachloride	4.21	117	189598	22.485	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	308215	19.848	ug/l	97
40) Benzene	4.84	78	768398	21.161	ug/l	100
41) Methacrylonitrile	4.95	41	49689	18.740	ug/l #	88
42) 1,2-Dichloroethane	5.16	62	145092	21.009	ug/l	99
43) Isopropyl Acetate	7.14	43	127628	20.257	ug/l	95
44) Trichloroethene	5.71	130	206769	20.176	ug/l	96
45) 1,2-Dichloropropane	6.43	63	189074	20.749	ug/l	99
46) Dibromomethane	6.28	93	106918	20.097	ug/l	89
47) Bromodichloromethane	6.58	83	226644	20.918	ug/l	97
48) Methyl methacrylate	6.90	41	59377	18.287	ug/l	95
49) 1,4-Dioxane	6.90	88	16019	374.279	ug/l #	87
51) 4-Methyl-2-Pentanone	8.42	43	481849	107.121	ug/l	94
52) Toluene	7.80	92	402176	20.563	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	184738	20.576	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	268431	20.654	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	119957	20.530	ug/l	96
56) Ethyl methacrylate	8.77	69	132956	21.207	ug/l	99
57) 1,3-Dichloropropane	9.01	76	227765	23.871	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.47	63	233942	106.772	ug/l	99
59) 2-Hexanone	9.64	43	385121	120.120	ug/l	98
60) Dibromochloromethane	8.88	129	162024	22.398	ug/l	91
61) 1,2-Dibromoethane	9.15	107	141059	23.245	ug/l	87
64) Tetrachloroethene	8.33	164	159734	18.058	ug/l	97
65) Chlorobenzene	9.95	112	448371	20.170	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	168017	18.978	ug/l	95
67) Ethyl Benzene	10.04	91	782394	20.510	ug/l	96
68) m/p-Xylenes	10.27	106	564103	38.643	ug/l	80
69) o-Xylene	10.83	106	297025	20.097	ug/l	98
70) Styrene	10.90	104	451708	20.735	ug/l	99
71) Bromoform	10.89	173	83556	19.674	ug/l #	99
73) Isopropylbenzene	11.23	105	803875	21.713	ug/l	93
74) N-amyl acetate	11.45	43	219030	20.991	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	167434	21.177	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	106654	20.351	ug/l	87
77) Bromobenzene	11.59	156	191958	20.635	ug/l	89
78) n-propylbenzene	11.68	91	953713	21.335	ug/l	90
79) 2-Chlorotoluene	11.81	91	512644	20.042	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	630820	20.835	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	44836m	20.207	ug/l	
82) 4-Chlorotoluene	11.99	91	518754	20.637	ug/l	100
83) tert-Butylbenzene	12.20	119	628083	20.936	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	596200	20.769	ug/l	97
85) sec-Butylbenzene	12.38	105	821860	20.790	ug/l	96
86) p-Isopropyltoluene	12.53	119	680639	20.685	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	332551	20.270	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	313928	20.504	ug/l	95
89) n-Butylbenzene	12.90	91	709326	21.430	ug/l	87
90) Hexachloroethane	12.98	117	161083	20.072	ug/l	81
91) 1,2-Dichlorobenzene	13.01	146	276431	19.170	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16770	19.469	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	182569	18.440	ug/l	96
94) Hexachlorobutadiene	14.23	225	131633	19.218	ug/l	99
95) Naphthalene	14.50	128	304915	18.798	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	174233	19.278	ug/l	98

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

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