

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062861.D
 Acq On : 5 Jun 2019 13:20
 Operator : FY/SY
 Sample : VF0605SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0605SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 11:51:03 AM

Quant Time: Jun 06 08:11:45 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	5.07	168	805489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1347079	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1169894	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	546777	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	278022	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	4.32	113	526049	51.68	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	7.72	98	1247885	48.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.96%	
62) 4-Bromofluorobenzene	11.50	95	482047	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	218974	21.578	ug/l	97
3) Chloromethane	1.14	50	174542	20.942	ug/l	96
4) Vinyl Chloride	1.19	62	176169	21.271	ug/l	99
5) Bromomethane	1.40	94	98597	20.874	ug/l	83
6) Chloroethane	1.46	64	60549	19.553	ug/l	100
7) Trichlorofluoromethane	1.55	101	259246	22.111	ug/l	90
8) Diethyl Ether	1.72	74	44244	19.180	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.93	101	156956	21.292	ug/l	98
10) Methyl Iodide	2.01	142	293817m	19.879	ug/l	
11) Tert butyl alcohol	2.72	59	34537	102.354	ug/l #	81
12) 1,1-Dichloroethene	1.88	96	132298	19.765	ug/l	93
13) Acrolein	2.11	56	12915	90.592	ug/l	94
14) Allyl chloride	2.21	41	121204	23.340	ug/l	97
15) Acrylonitrile	3.10	53	152199	120.040	ug/l	97
16) Acetone	2.37	43	115434	90.547	ug/l	91
17) Carbon Disulfide	1.91	76	404382	20.670	ug/l	98
18) Methyl Acetate	2.47	43	50781	22.794	ug/l #	88
19) Methyl tert-butyl Ether	2.56	73	259060	21.362	ug/l	97
20) Methylene Chloride	2.37	84	148066m	21.491	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	138646	20.658	ug/l	93
22) Diisopropyl ether	2.95	45	288686	19.567	ug/l	94
23) Vinyl Acetate	3.36	43	1050868	104.043	ug/l	99
24) 1,1-Dichloroethane	3.03	63	246043	22.336	ug/l	99
25) 2-Butanone	4.54	43	299302	100.815	ug/l	98
26) 2,2-Dichloropropane	3.79	77	142633	22.804	ug/l	86
27) cis-1,2-Dichloroethene	3.66	96	241019	21.364	ug/l	97
28) Bromochloromethane	3.91	49	119830	19.999	ug/l	100
29) Tetrahydrofuran	4.29	42	120431	106.060	ug/l	98
30) Chloroform	4.06	83	336553	21.678	ug/l	93
31) Cyclohexane	3.88	56	310615m	20.828	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	213871	23.661	ug/l	96
36) 1,1-Dichloropropene	4.49	75	265795	21.433	ug/l	97
37) Ethyl Acetate	4.32	43	107515	22.680	ug/l	91
38) Carbon Tetrachloride	4.20	117	174626	20.836	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	308874	20.012	ug/l	99
40) Benzene	4.84	78	752307	20.844	ug/l	100
41) Methacrylonitrile	4.95	41	50835	19.290	ug/l	97
42) 1,2-Dichloroethane	5.14	62	148155	21.583	ug/l	92
43) Isopropyl Acetate	7.13	43	126038	20.127	ug/l #	94
44) Trichloroethene	5.70	130	218498	21.451	ug/l	94
45) 1,2-Dichloropropane	6.43	63	191340	21.126	ug/l	91
46) Dibromomethane	6.27	93	110883	20.969	ug/l	95
47) Bromodichloromethane	6.57	83	231201	21.469	ug/l	91
48) Methyl methacrylate	6.89	41	65126	20.179	ug/l	93
49) 1,4-Dioxane	6.89	88	17868	420.028	ug/l #	83
51) 4-Methyl-2-Pentanone	8.42	43	515819	115.373	ug/l	99
52) Toluene	7.79	92	407422	20.959	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	199600	22.367	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	275122	21.298	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	126243	21.738	ug/l	93
56) Ethyl methacrylate	8.76	69	128024	20.545	ug/l	98
57) 1,3-Dichloropropane	9.01	76	209938	22.137	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	222711	102.266	ug/l	100
59) 2-Hexanone	9.63	43	371722	116.648	ug/l	97
60) Dibromochloromethane	8.87	129	148594	20.667	ug/l	90
61) 1,2-Dibromoethane	9.14	107	135093	22.398	ug/l	99
64) Tetrachloroethene	8.32	164	174231	19.381	ug/l	94
65) Chlorobenzene	9.95	112	455756	20.173	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	175805	19.539	ug/l	96
67) Ethyl Benzene	10.04	91	770493	19.874	ug/l	98
68) m/p-Xylenes	10.27	106	583536	39.333	ug/l	87
69) o-Xylene	10.82	106	290655	19.350	ug/l	93
70) Styrene	10.90	104	453382	20.478	ug/l	98
71) Bromoform	10.88	173	82423	19.096	ug/l #	98
73) Isopropylbenzene	11.22	105	817507	21.428	ug/l	91
74) N-amyl acetate	11.45	43	220454	20.502	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	174381	21.403	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	112226	20.780	ug/l	100
77) Bromobenzene	11.58	156	193215	20.156	ug/l	79
78) n-propylbenzene	11.68	91	988189	21.452	ug/l	95
79) 2-Chlorotoluene	11.80	91	538889	20.445	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	656778	21.050	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	48585m	21.249	ug/l	
82) 4-Chlorotoluene	11.98	91	536428	20.708	ug/l	93
83) tert-Butylbenzene	12.20	119	651670	21.079	ug/l	92
84) 1,2,4-Trimethylbenzene	12.27	105	637257	21.542	ug/l	93
85) sec-Butylbenzene	12.37	105	869160	21.336	ug/l	94
86) p-Isopropyltoluene	12.52	119	728261	21.478	ug/l	93
87) 1,3-Dichlorobenzene	12.54	146	359435	21.261	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	320024	20.284	ug/l	100
89) n-Butylbenzene	12.90	91	732620	21.479	ug/l	89
90) Hexachloroethane	12.98	117	171044	20.682	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	305795	20.579	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	18545	20.893	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	203893	19.984	ug/l	93
94) Hexachlorobutadiene	14.23	225	138685	19.649	ug/l	97
95) Naphthalene	14.50	128	305383	18.270	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	178154	19.129	ug/l	93

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

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