

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061317.D
 Acq On : 10 Jan 2019 00:48
 Operator : VA/AP
 Sample : VF0109SBS02
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 3:31:59 PM

Quant Time: Jan 10 07:09:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	200696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	339473	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	339350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	166279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	138805	62.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.28%	
35) Dibromofluoromethane	4.13	113	148927	57.33	ug/l	0.02
Spiked Amount	50.000		Recovery	=	114.66%	
50) Toluene-d8	7.57	98	425175	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	
62) 4-Bromofluorobenzene	11.42	95	200260	59.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	74143	20.028	ug/l	98
3) Chloromethane	1.10	50	61149	18.536	ug/l	88
4) Vinyl Chloride	1.15	62	53384	18.118	ug/l	99
5) Bromomethane	1.30	94	32781	15.229	ug/l	97
6) Chloroethane	1.39	64	22945	15.947	ug/l	96
7) Trichlorofluoromethane	1.48	101	90630	18.145	ug/l	100
8) Diethyl Ether	1.64	74	13987	19.070	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	45020	17.070	ug/l	94
10) Methyl Iodide	1.90	142	71744m	17.363	ug/l	
11) Tert butyl alcohol	2.58	59	9309	104.081	ug/l	97
12) 1,1-Dichloroethene	1.80	96	35635	16.897	ug/l	91
13) Acrolein	2.01	56	8726	74.873	ug/l	86
14) Allyl chloride	2.10	41	63115	16.373	ug/l	94
15) Acrylonitrile	2.96	53	33294	105.008	ug/l	84
16) Acetone	2.25	43	41333	79.540	ug/l #	88
17) Carbon Disulfide	1.81	76	112041	16.084	ug/l	95
18) Methyl Acetate	2.36	43	20073	19.633	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	78306	19.484	ug/l	93
20) Methylene Chloride	2.19	84	40582m	18.460	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	38580	17.263	ug/l	89
22) Diisopropyl ether	2.81	45	139569	18.714	ug/l	98
23) Vinyl Acetate	3.21	43	244328	112.023	ug/l	100
24) 1,1-Dichloroethane	2.88	63	81194	18.821	ug/l	99
25) 2-Butanone	4.35	43	89481	106.987	ug/l	100
26) 2,2-Dichloropropane	3.62	77	44191	15.329	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	56258	18.030	ug/l	96
28) Bromochloromethane	3.74	49	42163	22.166	ug/l #	97
29) Tetrahydrofuran	4.09	42	41022	117.308	ug/l	95
30) Chloroform	3.88	83	115778	21.141	ug/l	97
31) Cyclohexane	3.71	56	82893	18.315	ug/l	89
32) 1,1,1-Trichloroethane	4.10	97	74019	16.733	ug/l	97
36) 1,1-Dichloropropene	4.30	75	85602	21.594	ug/l	94
37) Ethyl Acetate	4.13	43	34579	23.953	ug/l #	47
38) Carbon Tetrachloride	4.01	117	72698	19.363	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	97434	19.643	ug/l	97
40) Benzene	4.65	78	189068	20.428	ug/l	100
41) Methacrylonitrile	4.77	41	18515	22.967	ug/l #	83
42) 1,2-Dichloroethane	4.96	62	65442	22.712	ug/l	99
43) Isopropyl Acetate	6.98	43	43419	22.781	ug/l #	99
44) Trichloroethene	5.53	130	59301	21.894	ug/l	94
45) 1,2-Dichloropropane	6.26	63	49295	20.945	ug/l	99
46) Dibromomethane	6.11	93	32801	22.699	ug/l	88
47) Bromodichloromethane	6.40	83	84113	23.404	ug/l	98
48) Methyl methacrylate	6.73	41	27945	22.589	ug/l	95
49) 1,4-Dioxane	6.73	88	4340	555.978	ug/l	94
51) 4-Methyl-2-Pentanone	8.28	43	164409	114.285	ug/l	100
52) Toluene	7.64	92	122710	20.628	ug/l	99
53) t-1,3-Dichloropropene	8.30	75	62999	22.321	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	85572	22.867	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	38625	23.203	ug/l	89
56) Ethyl methacrylate	8.63	69	42491	22.839	ug/l	99
57) 1,3-Dichloropropane	8.87	76	70018	23.767	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.31	63	10746	135.539	ug/l	98
59) 2-Hexanone	9.51	43	122300	120.000	ug/l	94
60) Dibromochloromethane	8.73	129	51132	23.068	ug/l	93
61) 1,2-Dibromoethane	9.01	107	38247	22.540	ug/l	91
64) Tetrachloroethene	8.17	164	51445	20.822	ug/l	93
65) Chlorobenzene	9.82	112	143277	20.908	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.94	131	58922	21.072	ug/l	95
67) Ethyl Benzene	9.91	91	271202	20.526	ug/l	97
68) m/p-Xylenes	10.15	106	179685	38.987	ug/l	100
69) o-Xylene	10.72	106	107736	20.926	ug/l	90
70) Styrene	10.80	104	141772	20.671	ug/l	98
71) Bromoform	10.78	173	26380	23.085	ug/l #	91
73) Isopropylbenzene	11.14	105	306522	20.949	ug/l	100
74) N-amyl acetate	11.38	43	80340	24.155	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.71	83	54780	23.613	ug/l	98
76) 1,2,3-Trichloropropane	11.81	75	37600	22.098	ug/l	97
77) Bromobenzene	11.50	156	59361	20.393	ug/l	90
78) n-propylbenzene	11.60	91	366820	21.027	ug/l	96
79) 2-Chlorotoluene	11.73	91	204529	21.043	ug/l	89
80) 1,3,5-Trimethylbenzene	11.84	105	240902	20.692	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	14642m	19.692	ug/l	
82) 4-Chlorotoluene	11.91	91	204063	20.662	ug/l	94
83) tert-Butylbenzene	12.14	119	250367	21.585	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	233977	20.242	ug/l	97
85) sec-Butylbenzene	12.31	105	340806	20.635	ug/l	96
86) p-Isopropyltoluene	12.47	119	276345	20.571	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	118657	20.874	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	114230	20.902	ug/l	98
89) n-Butylbenzene	12.85	91	285338	20.672	ug/l	95
90) Hexachloroethane	12.92	117	63841	20.775	ug/l	98
91) 1,2-Dichlorobenzene	12.95	146	117347	21.627	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8822	22.506	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	74763	20.023	µg/l	99
94) Hexachlorobutadiene	14.20	225	44077	18.337	µg/l	99
95) Naphthalene	14.47	128	140549	19.975	µg/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	67973	19.326	µg/l	99

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

