

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061296.D
 Acq On : 9 Jan 2019 12:50
 Operator : VA/AP
 Sample : VF0109SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 2:02:40 PM

Quant Time: Jan 10 06:35:29 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	4.89	168	195005	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.62	114	351798	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	305370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	150948	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	120863	55.68	ug/l	0.01
Spiked Amount 50.000			Recovery	=	111.36%	
35) Dibromofluoromethane	4.14	113	147267	54.71	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.42%	
50) Toluene-d8	7.57	98	426048	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	
62) 4-Bromofluorobenzene	11.43	95	180657	51.94	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	84318	23.441	ug/l	99
3) Chloromethane	1.10	50	75427	23.531	ug/l	98
4) Vinyl Chloride	1.15	62	64020	22.362	ug/l	97
5) Bromomethane	1.32	94	38195	17.782	ug/l	92
6) Chloroethane	1.40	64	29327	20.978	ug/l	97
7) Trichlorofluoromethane	1.48	101	105800	21.800	ug/l	100
8) Diethyl Ether	1.63	74	14505	20.353	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.84	101	52947	20.661	ug/l	94
10) Methyl Iodide	1.91	142	83490m	20.795	ug/l	
11) Tert butyl alcohol	2.58	59	10243	117.866	ug/l #	91
12) 1,1-Dichloroethene	1.80	96	47385	23.124	ug/l	87
13) Acrolein	2.01	56	9329	84.706	ug/l	94
14) Allyl chloride	2.11	41	78550	20.971	ug/l	100
15) Acrylonitrile	2.95	53	32357	105.031	ug/l	91
16) Acetone	2.24	43	69492	137.631	ug/l	95
17) Carbon Disulfide	1.81	76	138717	20.495	ug/l #	94
18) Methyl Acetate	2.36	43	23204	23.358	ug/l #	93
19) Methyl tert-butyl Ether	2.44	73	84507	21.641	ug/l	100
20) Methylene Chloride	2.20	84	52042m	24.363	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	44678	20.575	ug/l	95
22) Diisopropyl ether	2.82	45	165254	22.805	ug/l	96
23) Vinyl Acetate	3.20	43	290702	137.175	ug/l	100
24) 1,1-Dichloroethane	2.89	63	92611	22.094	ug/l	98
25) 2-Butanone	4.36	43	110065	135.438	ug/l	97
26) 2,2-Dichloropropane	3.62	77	54652	19.511	ug/l	95
27) cis-1,2-Dichloroethene	3.50	96	72729	23.989	ug/l	92
28) Bromochloromethane	3.73	49	42620	23.061	ug/l	99
29) Tetrahydrofuran	4.10	42	42525	125.155	ug/l	98
30) Chloroform	3.88	83	124158	23.333	ug/l	98
31) Cyclohexane	3.71	56	100837	22.930	ug/l	96
32) 1,1,1-Trichloroethane	4.12	97	90567	21.071	ug/l	97
36) 1,1-Dichloropropene	4.30	75	92291	22.465	ug/l	96
37) Ethyl Acetate	4.14	43	40301	26.939	ug/l #	54
38) Carbon Tetrachloride	4.02	117	77609	19.946	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	109676	21.336	ug/l	97
40) Benzene	4.65	78	214320	22.346	ug/l	97
41) Methacrylonitrile	4.78	41	18747	22.440	ug/l #	86
42) 1,2-Dichloroethane	4.97	62	69079	23.134	ug/l	97
43) Isopropyl Acetate	6.98	43	43326	21.936	ug/l #	98
44) Trichloroethene	5.53	130	65852	23.461	ug/l	88
45) 1,2-Dichloropropane	6.26	63	56701	23.248	ug/l	94
46) Dibromomethane	6.11	93	32935	21.993	ug/l #	86
47) Bromodichloromethane	6.41	83	82475	22.145	ug/l #	99
48) Methyl methacrylate	6.73	41	30955	24.145	ug/l	97
49) 1,4-Dioxane	6.72	88	4448	549.851	ug/l	96
51) 4-Methyl-2-Pentanone	8.28	43	166706	111.822	ug/l	99
52) Toluene	7.64	92	136656	22.167	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	65498	22.394	ug/l	97
54) cis-1,3-Dichloropropene	7.32	75	84584	21.811	ug/l	100
55) 1,1,2-Trichloroethane	8.52	97	36676	21.260	ug/l	93
56) Ethyl methacrylate	8.64	69	44298	22.976	ug/l	94
57) 1,3-Dichloropropane	8.87	76	69513	22.769	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.31	63	10046	122.271	ug/l #	90
59) 2-Hexanone	9.51	43	127094	120.335	ug/l	98
60) Dibromochloromethane	8.74	129	49840	21.697	ug/l	94
61) 1,2-Dibromoethane	9.00	107	38106	21.670	ug/l	98
64) Tetrachloroethene	8.17	164	54203	24.379	ug/l	91
65) Chlorobenzene	9.82	112	142042	23.035	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	57495	22.850	ug/l	95
67) Ethyl Benzene	9.92	91	277021	23.300	ug/l	99
68) m/p-Xylenes	10.16	106	198993	47.981	ug/l	99
69) o-Xylene	10.73	106	110084	23.762	ug/l	88
70) Styrene	10.81	104	142979	23.167	ug/l	94
71) Bromoform	10.79	173	25290	24.594	ug/l #	87
73) Isopropylbenzene	11.14	105	312154	23.501	ug/l	97
74) N-amyl acetate	11.39	43	78551	26.016	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	49505	23.506	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	35585	23.038	ug/l	95
77) Bromobenzene	11.51	156	62102	23.501	ug/l	93
78) n-propylbenzene	11.61	91	391279	24.707	ug/l	99
79) 2-Chlorotoluene	11.73	91	205964	23.343	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	252153	23.858	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	15635m	23.163	ug/l	
82) 4-Chlorotoluene	11.91	91	213232	23.783	ug/l	96
83) tert-Butylbenzene	12.15	119	267081	25.364	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	246342	23.476	ug/l	95
85) sec-Butylbenzene	12.32	105	345792	23.063	ug/l	94
86) p-Isopropyltoluene	12.47	119	301059	24.687	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	125216	24.265	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	116930	23.569	ug/l	92
89) n-Butylbenzene	12.86	91	309280	24.683	ug/l	95
90) Hexachloroethane	12.93	117	70151	25.147	ug/l	94
91) 1,2-Dichlorobenzene	12.96	146	120782	24.521	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8798	24.724	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	86356	25.477	ug/l	97
94) Hexachlorobutadiene	14.20	225	54556	25.002	ug/l	99
95) Naphthalene	14.47	128	148126	23.190	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	72846	22.815	ug/l	96

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

