

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060002.D
 Acq On : 20 Aug 2018 15:13
 Operator : VA/AP
 Sample : VF0820SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:01:36 AM

Quant Time: Aug 21 04:49:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	123060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	169888	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	186844	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	127786	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	128533	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
35) Dibromofluoromethane	4.29	113	96173	55.39	ug/l	-0.02
Spiked Amount			Recovery	=	110.78%	
50) Toluene-d8	7.71	98	209585	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
62) 4-Bromofluorobenzene	11.51	95	131300	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	49580	23.75	ug/l	99
3) Chloromethane	1.07	50	32741	32.98	ug/l	94
4) Vinyl Chloride	1.11	62	32802	26.32	ug/l	88
5) Bromomethane	1.31	94	28841	25.57	ug/l	85
6) Chloroethane	1.39	64	15073	23.29	ug/l	100
7) Trichlorofluoromethane	1.48	101	79228	22.15	ug/l	96
8) Diethyl Ether	1.70	74	11587	21.95	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.85	101	41723	24.88	ug/l	94
10) Methyl Iodide	1.92	142	50639	23.93	ug/l	96
11) Tert butyl alcohol	2.68	59	13863	100.14	ug/l	96
12) 1,1-Dichloroethene	1.82	96	28324	24.49	ug/l	84
13) Acrolein	2.09	56	5232	79.53	ug/l #	81
14) Allyl chloride	2.19	41	46407	23.65	ug/l	92
15) Acrylonitrile	3.07	53	25110	112.18	ug/l	97
16) Acetone	2.33	43	85537	124.30	ug/l	96
17) Carbon Disulfide	1.83	76	95223	25.90	ug/l	98
18) Methyl Acetate	2.44	43	29105	22.27	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	78700	20.67	ug/l	98
20) Methylene Chloride	2.28	84	36817	25.98	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	28107	22.64	ug/l	95
22) Diisopropyl ether	2.92	45	91221	21.73	ug/l	98
23) Vinyl Acetate	3.33	43	226511	134.03	ug/l	99
24) 1,1-Dichloroethane	2.99	63	65074	23.64	ug/l	98
25) 2-Butanone	4.50	43	60967	106.17	ug/l	97
26) 2,2-Dichloropropane	3.75	77	60315	24.73	ug/l	92
27) cis-1,2-Dichloroethene	3.64	96	24010	21.15	ug/l	96
28) Bromochloromethane	3.89	49	18171	23.01	ug/l	99
29) Tetrahydrofuran	4.25	42	20208	98.60	ug/l	98
30) Chloroform	4.03	83	72194	22.68	ug/l	97
31) Cyclohexane	3.85	56	26608	21.11	ug/l #	88
32) 1,1,1-Trichloroethane	4.27	97	70762	22.78	ug/l	92
36) 1,1-Dichloropropene	4.45	75	44360	22.93	ug/l	91
37) Ethyl Acetate	4.29	43	24153	22.58	ug/l	87
38) Carbon Tetrachloride	4.17	117	63606	22.92	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	31023	21.37	ug/l	86
40) Benzene	4.81	78	71456	21.82	ug/l	99
41) Methacrylonitrile	4.92	41	10095	19.71	ug/l	98
42) 1,2-Dichloroethane	5.11	62	57190	20.59	ug/l	100
43) Isopropyl Acetate	7.11	43	22175	18.84	ug/l #	88
44) Trichloroethene	5.68	130	27633	21.62	ug/l	98
45) 1,2-Dichloropropane	6.41	63	19265	20.56	ug/l	93
46) Dibromomethane	6.25	93	20007	21.65	ug/l	94
47) Bromodichloromethane	6.54	83	57320	22.98	ug/l	98
48) Methyl methacrylate	6.87	41	18880	21.55	ug/l #	90
49) 1,4-Dioxane	6.86	88	2900	412.86	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	116769	106.19	ug/l	99
52) Toluene	7.78	92	55359	22.58	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	46832	22.26	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	45713	22.50	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	20670	21.02	ug/l	95
56) Ethyl methacrylate	8.76	69	23160	20.33	ug/l	96
57) 1,3-Dichloropropane	9.00	76	37812	21.57	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.78	63	13495	141.23	ug/l	100
59) 2-Hexanone	9.63	43	102116	112.47	ug/l	99
60) Dibromochloromethane	8.86	129	39056	21.73	ug/l	96
61) 1,2-Dibromoethane	9.14	107	26094	21.27	ug/l	93
64) Tetrachloroethene	8.31	164	29009	20.38	ug/l	88
65) Chlorobenzene	9.94	112	75831	20.56	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	37475	22.09	ug/l	97
67) Ethyl Benzene	10.04	91	173618	25.93	ug/l	100
68) m/p-Xylenes	10.27	106	99690	42.97	ug/l	93
69) o-Xylene	10.83	106	52791	22.20	ug/l	99
70) Styrene	10.90	104	82257	21.59	ug/l	98
71) Bromoform	10.89	173	25076	19.99	ug/l	96
73) Isopropylbenzene	11.23	105	176864	23.09	ug/l	99
74) N-amyl acetate	11.46	43	43178	19.86	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	31360	20.85	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	27690	20.79	ug/l	98
77) Bromobenzene	11.60	156	47540	22.25	ug/l	81
78) n-propylbenzene	11.69	91	207105	21.78	ug/l	97
79) 2-Chlorotoluene	11.82	91	121980	21.11	ug/l	92
80) 1,3,5-Trimethylbenzene	11.92	105	155149	22.40	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	10232m	18.20	ug/l	
82) 4-Chlorotoluene	11.99	91	141266	22.34	ug/l	95
83) tert-Butylbenzene	12.21	119	152428	22.40	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	161159	22.10	ug/l	100
85) sec-Butylbenzene	12.39	105	200374	22.28	ug/l	96
86) p-Isopropyltoluene	12.54	119	178844	22.48	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	91134	22.35	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	85850	21.50	ug/l	98
89) n-Butylbenzene	12.92	91	173145	22.52	ug/l	95
90) Hexachloroethane	13.00	117	40458	22.58	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	84735	21.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	8718	20.96	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	69145	21.71	ug/l	97
94) Hexachlorobutadiene	14.26	225	45961	21.54	ug/l	98
95) Naphthalene	14.53	128	85763	19.13	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	66054	21.51	ug/l	97

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

