

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060030.D
 Acq On : 21 Aug 2018 20:42
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF082118

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:24:21 AM

Quant Time: Aug 22 04:52:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	220156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	343097	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	334025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	203669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	146428	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	4.31	113	129546	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	7.72	98	361151	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.52	95	189831	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	129208	44.58	ug/l	93
3) Chloromethane	1.07	50	100873	53.91	ug/l	94
4) Vinyl Chloride	1.12	62	84365	46.88	ug/l	94
5) Bromomethane	1.32	94	64676	47.29	ug/l	89
6) Chloroethane	1.40	64	34377	48.46	ug/l	98
7) Trichlorofluoromethane	1.49	101	188264	52.02	ug/l	100
8) Diethyl Ether	1.70	74	32804	50.70	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.86	101	93278	49.11	ug/l	98
10) Methyl Iodide	1.93	142	130733	52.05	ug/l	99
11) Tert butyl alcohol	2.69	59	40634	253.50	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	66197	47.30	ug/l	96
13) Acrolein	2.10	56	23425	240.34	ug/l	93
14) Allyl chloride	2.20	41	123519	49.70	ug/l	97
15) Acrylonitrile	3.08	53	75829	239.72	ug/l	96
16) Acetone	2.34	43	178115	224.92	ug/l	95
17) Carbon Disulfide	1.84	76	197394	45.05	ug/l	100
18) Methyl Acetate	2.46	43	67842	50.16	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	215289	48.01	ug/l	97
20) Methylene Chloride	2.28	84	79650	51.19	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	69695	44.51	ug/l	99
22) Diisopropyl ether	2.93	45	267681	48.09	ug/l	95
23) Vinyl Acetate	3.34	43	787432	267.06	ug/l	99
24) 1,1-Dichloroethane	3.01	63	165439	48.12	ug/l #	98
25) 2-Butanone	4.52	43	252949	245.91	ug/l	99
26) 2,2-Dichloropropane	3.77	77	170141	47.83	ug/l	95
27) cis-1,2-Dichloroethene	3.65	96	105150	47.39	ug/l	96
28) Bromochloromethane	3.90	49	63605	43.82	ug/l	84
29) Tetrahydrofuran	4.26	42	88191	227.08	ug/l	96
30) Chloroform	4.05	83	231628	47.99	ug/l	93
31) Cyclohexane	3.87	56	121890	46.53	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	200043	48.40	ug/l	96
36) 1,1-Dichloropropene	4.47	75	155076	48.10	ug/l	96
37) Ethyl Acetate	4.30	43	93374	48.42	ug/l	87
38) Carbon Tetrachloride	4.18	117	176955	47.40	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	140364	46.43	ug/l	85
40) Benzene	4.82	78	321820	45.69	ug/l	99
41) Methacrylonitrile	4.94	41	47193	48.39	ug/l	89
42) 1,2-Dichloroethane	5.13	62	172840	45.77	ug/l	99
43) Isopropyl Acetate	7.12	43	125424	51.68	ug/l #	97
44) Trichloroethene	5.69	130	110320	47.38	ug/l	95
45) 1,2-Dichloropropane	6.41	63	99711	50.05	ug/l	96
46) Dibromomethane	6.27	93	76475	49.06	ug/l	93
47) Bromodichloromethane	6.56	83	181970	48.33	ug/l	98
48) Methyl methacrylate	6.89	41	78822	49.08	ug/l	94
49) 1,4-Dioxane	6.88	88	16749	1086.41	ug/l	94
51) 4-Methyl-2-Pentanone	8.42	43	546587	260.80	ug/l	97
52) Toluene	7.79	92	232289	51.41	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	169229	49.56	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	193273	50.71	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	96873	50.97	ug/l	98
56) Ethyl methacrylate	8.77	69	119101	51.78	ug/l	93
57) 1,3-Dichloropropane	9.01	76	164320	49.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	41030	224.71	ug/l	100
59) 2-Hexanone	9.64	43	410200	241.83	ug/l	98
60) Dibromochloromethane	8.88	129	142161	50.67	ug/l	99
61) 1,2-Dibromoethane	9.15	107	108752	48.73	ug/l	98
64) Tetrachloroethene	8.32	164	111735	49.66	ug/l	98
65) Chlorobenzene	9.95	112	312175	49.49	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	115767	48.39	ug/l	97
67) Ethyl Benzene	10.05	91	528871	48.59	ug/l	99
68) m/p-Xylenes	10.28	106	405172	115.60	ug/l	98
69) o-Xylene	10.84	106	222540	52.19	ug/l	97
70) Styrene	10.91	104	340021	51.98	ug/l	97
71) Bromoform	10.90	173	91036	54.54	ug/l	99
73) Isopropylbenzene	11.24	105	620224	50.59	ug/l	99
74) N-amyl acetate	11.47	43	210249	55.17	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.80	83	137796	51.47	ug/l	99
76) 1,2,3-Trichloropropane	11.90	75	104299	50.23	ug/l	99
77) Bromobenzene	11.60	156	167954	50.37	ug/l	86
78) n-propylbenzene	11.70	91	764983	50.56	ug/l	97
79) 2-Chlorotoluene	11.83	91	424242	47.68	ug/l	93
80) 1,3,5-Trimethylbenzene	11.93	105	537331	50.31	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	48824m	51.39	ug/l	
82) 4-Chlorotoluene	11.99	91	471034	48.76	ug/l	98
83) tert-Butylbenzene	12.22	119	524540	50.35	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	551347	48.56	ug/l	98
85) sec-Butylbenzene	12.40	105	717812	49.50	ug/l	100
86) p-Isopropyltoluene	12.55	119	605077	50.29	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	303285	49.20	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	301356	49.19	ug/l	98
89) n-Butylbenzene	12.93	91	624823	53.45	ug/l	99
90) Hexachloroethane	13.00	117	139638	51.65	ug/l	80
91) 1,2-Dichlorobenzene	13.03	146	294227	49.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	29766	54.40	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	226534	51.89	µg/l	97
94) Hexachlorobutadiene	14.26	225	139266	51.25	µg/l	98
95) Naphthalene	14.53	128	397658	52.38	µg/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	219101	52.60	µg/l	96

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

