

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059869.D
 Acq On : 4 Aug 2018 7:02
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF080418

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:16 AM

Quant Time: Aug 06 02:23:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	221747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	333068	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	334196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	206256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	194307	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	4.29	113	162300	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	7.71	98	407703	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	
62) 4-Bromofluorobenzene	11.51	95	215308	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	170417	44.98	ug/l	99
3) Chloromethane	1.09	50	95129	54.28	ug/l	97
4) Vinyl Chloride	1.16	62	98973	55.13	ug/l	95
5) Bromomethane	1.34	94	79043	46.64	ug/l	97
6) Chloroethane	1.43	64	60009	53.21	ug/l	93
7) Trichlorofluoromethane	1.53	101	228886m	46.58	ug/l	
8) Diethyl Ether	1.70	74	39507	50.66	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	116262	42.87	ug/l	93
10) Methyl Iodide	1.96	142	215292	51.68	ug/l	93
11) Tert butyl alcohol	2.69	59	41168	255.30	ug/l	99
12) 1,1-Dichloroethene	1.85	96	97918	49.43	ug/l	86
13) Acrolein	2.09	56	24668	255.26	ug/l	96
14) Allyl chloride	2.19	41	161293	48.84	ug/l	88
15) Acrylonitrile	3.08	53	82238	278.31	ug/l	90
16) Acetone	2.34	43	172811	234.16	ug/l	95
17) Carbon Disulfide	1.89	76	274487	51.91	ug/l	97
18) Methyl Acetate	2.45	43	64821	52.06	ug/l	92
19) Methyl tert-butyl Ether	2.54	73	289872	51.69	ug/l	96
20) Methylene Chloride	2.28	84	96735	53.08	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	101298	51.48	ug/l	98
22) Diisopropyl ether	2.93	45	343513	54.07	ug/l	91
23) Vinyl Acetate	3.34	43	902488	293.44	ug/l	99
24) 1,1-Dichloroethane	3.00	63	216086	46.70	ug/l	98
25) 2-Butanone	4.51	43	224261	279.46	ug/l	99
26) 2,2-Dichloropropane	3.77	77	129152	47.95	ug/l	94
27) cis-1,2-Dichloroethene	3.64	96	117529	53.12	ug/l	97
28) Bromochloromethane	3.89	49	81213	49.71	ug/l	91
29) Tetrahydrofuran	4.26	42	87994	297.86	ug/l	97
30) Chloroform	4.04	83	293331	46.86	ug/l	97
31) Cyclohexane	3.87	56	126551	55.26	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	232091	46.35	ug/l	98
36) 1,1-Dichloropropene	4.46	75	186330	48.37	ug/l	97
37) Ethyl Acetate	4.29	43	98277	59.41	ug/l #	60
38) Carbon Tetrachloride	4.18	117	268175	48.63	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	153626	53.17	ug/l	97
40) Benzene	4.82	78	353962	53.85	ug/l	99
41) Methacrylonitrile	4.93	41	43971	50.37	ug/l #	91
42) 1,2-Dichloroethane	5.12	62	243508	45.65	ug/l	99
43) Isopropyl Acetate	7.11	43	103857	60.98	ug/l #	97
44) Trichloroethene	5.67	130	128292	50.00	ug/l	93
45) 1,2-Dichloropropane	6.40	63	94857	53.65	ug/l #	81
46) Dibromomethane	6.26	93	86626	48.56	ug/l	95
47) Bromodichloromethane	6.55	83	240186	49.23	ug/l	94
48) Methyl methacrylate	6.88	41	80875	61.03	ug/l	97
49) 1,4-Dioxane	6.87	88	11208	1163.06	ug/l #	79
51) 4-Methyl-2-Pentanone	8.40	43	497878	285.89	ug/l	97
52) Toluene	7.78	92	259820	53.40	ug/l	92
53) t-1,3-Dichloropropene	8.43	75	191345	51.56	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	201566	52.62	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	88876	50.74	ug/l	95
56) Ethyl methacrylate	8.77	69	109725	56.65	ug/l	88
57) 1,3-Dichloropropane	9.01	76	162778	54.12	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	54438	234.92	ug/l	100
59) 2-Hexanone	9.64	43	373117	303.30	ug/l	94
60) Dibromochloromethane	8.87	129	162535	49.46	ug/l	92
61) 1,2-Dibromoethane	9.14	107	113255	53.07	ug/l	93
64) Tetrachloroethene	8.32	164	143109	49.64	ug/l	92
65) Chlorobenzene	9.94	112	339184	50.00	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	157612	46.71	ug/l	96
67) Ethyl Benzene	10.04	91	607157	51.38	ug/l	97
68) m/p-Xylenes	10.28	106	423413	103.65	ug/l	88
69) o-Xylene	10.83	106	237608	54.91	ug/l	87
70) Styrene	10.91	104	337038	52.19	ug/l	98
71) Bromoform	10.89	173	99961	48.34	ug/l	96
73) Isopropylbenzene	11.23	105	706899	55.03	ug/l	98
74) N-amyl acetate	11.47	43	192444	59.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	130832	54.24	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	109985	53.09	ug/l	99
77) Bromobenzene	11.60	156	186562	53.40	ug/l	99
78) n-propylbenzene	11.69	91	786029	51.81	ug/l	98
79) 2-Chlorotoluene	11.83	91	431481	44.96	ug/l	84
80) 1,3,5-Trimethylbenzene	11.91	105	610392	51.17	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	45817m	61.57	ug/l	
82) 4-Chlorotoluene	11.99	91	550566	52.83	ug/l	99
83) tert-Butylbenzene	12.22	119	614679	52.94	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	633666	51.65	ug/l	98
85) sec-Butylbenzene	12.39	105	795359	51.55	ug/l	100
86) p-Isopropyltoluene	12.54	119	694095	53.52	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	333123	50.32	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	330198	50.81	ug/l	97
89) n-Butylbenzene	12.92	91	631841	51.12	ug/l	97
90) Hexachloroethane	13.00	117	171534	47.93	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	326227	51.21	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	33403	54.93	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	256253	52.98	ug/l	97
94) Hexachlorobutadiene	14.26	225	162397	47.53	ug/l	98
95) Naphthalene	14.53	128	492654	58.83	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	253651	53.11	ug/l	95

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

