

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059966.D
 Acq On : 15 Aug 2018 2:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 8/16/2018 12:19:53 PM

Quant Time: Aug 15 11:26:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	112250	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.79	114	166456	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	165772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	106249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	102270	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	4.31	113	80726	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	7.73	98	175922	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.53	95	100861	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	76159	45.78	ug/l	89
3) Chloromethane	1.10	50	32603	46.00	ug/l	99
4) Vinyl Chloride	1.17	62	37390	45.93	ug/l	96
5) Bromomethane	1.35	94	34745	47.42	ug/l	93
6) Chloroethane	1.44	64	23910	45.24	ug/l	96
7) Trichlorofluoromethane	1.55	101	114103m	47.98	ug/l	
8) Diethyl Ether	1.71	74	16444	50.28	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.91	101	54648	45.52	ug/l	93
10) Methyl Iodide	1.98	142	90084	48.08	ug/l #	93
11) Tert butyl alcohol	2.69	59	20691	265.38	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	42086	47.31	ug/l	88
13) Acrolein	2.10	56	11823	254.08	ug/l	96
14) Allyl chloride	2.20	41	61676	48.72	ug/l	97
15) Acrylonitrile	3.09	53	31308	264.88	ug/l	96
16) Acetone	2.35	43	93279	239.46	ug/l	98
17) Carbon Disulfide	1.90	76	103321	45.34	ug/l	99
18) Methyl Acetate	2.46	43	28101	51.88	ug/l #	88
19) Methyl tert-butyl Ether	2.55	73	134107	52.49	ug/l	97
20) Methylene Chloride	2.29	84	43349m	52.91	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	41728	48.25	ug/l	92
22) Diisopropyl ether	2.94	45	142635	49.00	ug/l	95
23) Vinyl Acetate	3.34	43	383001	265.05	ug/l	98
24) 1,1-Dichloroethane	3.02	63	105753	51.41	ug/l	99
25) 2-Butanone	4.53	43	101836	258.51	ug/l	99
26) 2,2-Dichloropropane	3.78	77	65441	48.90	ug/l	91
27) cis-1,2-Dichloroethene	3.65	96	50979	53.35	ug/l	93
28) Bromochloromethane	3.92	49	41171	53.73	ug/l	87
29) Tetrahydrofuran	4.27	42	36980	273.29	ug/l	97
30) Chloroform	4.05	83	148367	52.52	ug/l	94
31) Cyclohexane	3.89	56	49998	48.60	ug/l #	79
32) 1,1,1-Trichloroethane	4.30	97	117473	50.58	ug/l	98
36) 1,1-Dichloropropene	4.48	75	85681	46.34	ug/l	93
37) Ethyl Acetate	4.31	43	38638	48.83	ug/l	85
38) Carbon Tetrachloride	4.19	117	137070	44.52	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	62737	46.67	ug/l	97
40) Benzene	4.83	78	146392	46.77	ug/l	99
41) Methacrylonitrile	4.94	41	19814	50.77	ug/l #	84
42) 1,2-Dichloroethane	5.14	62	124432	50.04	ug/l	94
43) Isopropyl Acetate	7.13	43	43520	50.45	ug/l	92
44) Trichloroethene	5.70	130	57084	47.38	ug/l	99
45) 1,2-Dichloropropane	6.43	63	41405	50.02	ug/l	92
46) Dibromomethane	6.27	93	39011	47.76	ug/l	94
47) Bromodichloromethane	6.57	83	114431	48.55	ug/l	96
48) Methyl methacrylate	6.89	41	32841	51.11	ug/l	90
49) 1,4-Dioxane	6.88	88	4692	965.77	ug/l #	87
51) 4-Methyl-2-Pentanone	8.42	43	211731	253.38	ug/l	97
52) Toluene	7.80	92	111825	48.23	ug/l	92
53) t-1,3-Dichloropropene	8.45	75	93731	48.62	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	92566	49.89	ug/l	94
55) 1,1,2-Trichloroethane	8.66	97	39242	49.53	ug/l	98
56) Ethyl methacrylate	8.78	69	43755	51.41	ug/l	96
57) 1,3-Dichloropropane	9.02	76	70669	48.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.80	63	27651	241.50	ug/l	100
59) 2-Hexanone	9.65	43	149954	246.02	ug/l	94
60) Dibromochloromethane	8.88	129	78532	50.09	ug/l	96
61) 1,2-Dibromoethane	9.16	107	51583	52.19	ug/l	98
64) Tetrachloroethene	8.32	164	63147	48.93	ug/l	98
65) Chlorobenzene	9.96	112	155602	48.59	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.09	131	74778	48.32	ug/l	97
67) Ethyl Benzene	10.06	91	275222	48.66	ug/l	97
68) m/p-Xylenes	10.28	106	179914	94.59	ug/l	95
69) o-Xylene	10.85	106	101357	49.07	ug/l	99
70) Styrene	10.91	104	148061	48.45	ug/l	98
71) Bromoform	10.90	173	47778	49.66	ug/l	97
73) Isopropylbenzene	11.24	105	333916	49.97	ug/l	99
74) N-amyl acetate	11.48	43	77498	52.62	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.80	83	56551	50.34	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	50176	51.81	ug/l	91
77) Bromobenzene	11.61	156	84471	48.17	ug/l	94
78) n-propylbenzene	11.70	91	377056	48.09	ug/l	98
79) 2-Chlorotoluene	11.83	91	235541	47.94	ug/l	98
80) 1,3,5-Trimethylbenzene	11.93	105	298011	47.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	23571m	59.55	ug/l	
82) 4-Chlorotoluene	12.00	91	244489	45.10	ug/l	96
83) tert-Butylbenzene	12.23	119	301902	49.25	ug/l	93
84) 1,2,4-Trimethylbenzene	12.30	105	314032	50.07	ug/l	97
85) sec-Butylbenzene	12.40	105	386129	49.44	ug/l	98
86) p-Isopropyltoluene	12.55	119	346778	50.40	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	159800	48.05	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	161314	49.26	ug/l	99
89) n-Butylbenzene	12.94	91	319957	48.28	ug/l	99
90) Hexachloroethane	13.00	117	81056	47.59	ug/l	80
91) 1,2-Dichlorobenzene	13.03	146	155694	48.26	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15173	49.85	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	128706	49.78	ug/l	93
94) Hexachlorobutadiene	14.27	225	87551	47.36	ug/l	96
95) Naphthalene	14.53	128	218669	51.80	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	125636	50.92	ug/l	98

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

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