

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059588.D
 Acq On : 20 Jul 2018 17:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/23/2018 10:51:59 AM

Quant Time: Jul 20 23:41:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	247696	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	361199	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	368350	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	227032	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	190376	49.42	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	98.84%	
35) Dibromofluoromethane	4.28	113	156638	50.07	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.14%	
50) Toluene-d8	7.70	98	380905	48.34	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.50	95	218991	52.98	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	142166	46.85	ug/l	99
3) Chloromethane	1.09	50	70943	42.48	ug/l	97
4) Vinyl Chloride	1.15	62	85557	50.78	ug/l	100
5) Bromomethane	1.33	94	64034	54.84	ug/l	99
6) Chloroethane	1.42	64	47186	55.54	ug/l #	86
7) Trichlorofluoromethane	1.48	101	187517m	45.48	ug/l	
8) Diethyl Ether	1.70	74	36936	46.55	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	113471	65.16	ug/l	98
10) Methyl Iodide	1.96	142	193870m	63.60	ug/l	
11) Tert butyl alcohol	2.67	59	43967	271.85	ug/l	97
12) 1,1-Dichloroethene	1.84	96	90375	48.80	ug/l	96
13) Acrolein	2.08	56	20081	304.59	ug/l	88
14) Allyl chloride	2.18	41	153952	66.61	ug/l	92
15) Acrylonitrile	3.08	53	82471	255.16	ug/l	92
16) Acetone	2.33	43	214514	388.04	ug/l #	91
17) Carbon Disulfide	1.83	76	216644	45.65	ug/l	99
18) Methyl Acetate	2.45	43	51732m	43.58	ug/l	
19) Methyl tert-butyl Ether	2.52	73	280878	48.35	ug/l	97
20) Methylene Chloride	2.27	84	88309	50.89	ug/l #	81
21) trans-1,2-Dichloroethene	2.41	96	86473	50.50	ug/l	89
22) Diisopropyl ether	2.92	45	306796	47.23	ug/l	98
23) Vinyl Acetate	3.32	43	941551	248.07	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	208301	51.93	ug/l	99
25) 2-Butanone	4.50	43	219354	245.26	ug/l	99
26) 2,2-Dichloropropane	3.76	77	164443	61.97	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	110272	55.34	ug/l	92
28) Bromochloromethane	3.87	49	79858	45.23	ug/l #	96
29) Tetrahydrofuran	4.24	42	93011	256.07	ug/l	99
30) Chloroform	4.02	83	285702	49.31	ug/l	100
31) Cyclohexane	3.86	56	113651	54.70	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	237311	63.02	ug/l	99
36) 1,1-Dichloropropene	4.45	75	173708	48.05	ug/l	98
37) Ethyl Acetate	4.27	43	94730	48.47	ug/l #	1
38) Carbon Tetrachloride	4.16	117	250610m	60.49	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	142577	51.96	ug/l	94
40) Benzene	4.80	78	325939	46.47	ug/l	98
41) Methacrylonitrile	4.90	41	47542	45.86	ug/l #	85
42) 1,2-Dichloroethane	5.12	62	217409	47.19	ug/l	95
43) Isopropyl Acetate	7.10	43	126588	48.73	ug/l	95
44) Trichloroethene	5.67	130	121126	46.65	ug/l	99
45) 1,2-Dichloropropane	6.40	63	90670	46.57	ug/l	89
46) Dibromomethane	6.24	93	87177	49.17	ug/l	94
47) Bromodichloromethane	6.54	83	222964	48.86	ug/l	95
48) Methyl methacrylate	6.86	41	83776	45.15	ug/l	97
49) 1,4-Dioxane	6.85	88	10361	1268.52	ug/l #	80
51) 4-Methyl-2-Pentanone	8.40	43	457347	248.35	ug/l	98
52) Toluene	7.77	92	249768	49.10	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	208330	49.63	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	207354	49.61	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	102800	52.16	ug/l	93
56) Ethyl methacrylate	8.75	69	123493	50.52	ug/l	94
57) 1,3-Dichloropropane	8.99	76	169937	48.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	54097	250.69	ug/l	100
59) 2-Hexanone	9.62	43	349370	251.03	ug/l	99
60) Dibromochloromethane	8.85	129	170021	51.19	ug/l	100
61) 1,2-Dibromoethane	9.13	107	124648	50.97	ug/l	97
64) Tetrachloroethene	8.30	164	125929	45.91	ug/l	97
65) Chlorobenzene	9.94	112	340802	49.33	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	148265	47.12	ug/l	100
67) Ethyl Benzene	10.04	91	573753	46.66	ug/l	99
68) m/p-Xylenes	10.26	106	423824	97.65	ug/l	98
69) o-Xylene	10.82	106	233189	50.46	ug/l	94
70) Styrene	10.89	104	351192	49.44	ug/l	98
71) Bromoform	10.88	173	108541	49.66	ug/l	98
73) Isopropylbenzene	11.22	105	704912	49.20	ug/l	99
74) N-amyl acetate	11.45	43	205467	44.78	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	154458	49.43	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	120914	47.39	ug/l	96
77) Bromobenzene	11.59	156	194399	48.41	ug/l	98
78) n-propylbenzene	11.68	91	806342	49.07	ug/l	98
79) 2-Chlorotoluene	11.81	91	500925	49.49	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	616248	51.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	59396m	50.96	ug/l	
82) 4-Chlorotoluene	11.99	91	550003	48.49	ug/l	94
83) tert-Butylbenzene	12.21	119	595551	51.69	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	630232	51.03	ug/l	99
85) sec-Butylbenzene	12.38	105	772076	52.69	ug/l	98
86) p-Isopropyltoluene	12.53	119	677683	53.16	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	339005	49.21	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	334101	49.22	ug/l	97
89) n-Butylbenzene	12.91	91	665265	55.76	ug/l	96
90) Hexachloroethane	12.99	117	165270	57.07	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	330037	50.09	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	34770	49.12	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	242689	60.62	ug/l	96
94) Hexachlorobutadiene	14.25	225	154950	75.55	ug/l	94
95) Naphthalene	14.52	128	500132	60.13	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	233326	64.50	ug/l	96

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

