

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059689.D
 Acq On : 30 Jul 2018 15:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:12:39 PM

Quant Time: Jul 31 04:07:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	212027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	288674	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	288881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	193328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	178905	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	4.28	113	142448	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	7.71	98	328640	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	11.51	95	185870	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	109756	50.13	ug/l	100
3) Chloromethane	1.08	50	58906	47.59	ug/l	100
4) Vinyl Chloride	1.15	62	60393	46.09	ug/l	100
5) Bromomethane	1.34	94	51906	45.51	ug/l	100
6) Chloroethane	1.42	64	36621	44.80	ug/l	100
7) Trichlorofluoromethane	1.53	101	180418m	45.79	ug/l	
8) Diethyl Ether	1.70	74	30730	55.05	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	94760	45.24	ug/l	100
10) Methyl Iodide	1.96	142	139493	45.50	ug/l	100
11) Tert butyl alcohol	2.68	59	34282	239.80	ug/l	100
12) 1,1-Dichloroethene	1.85	96	67624	43.63	ug/l	100
13) Acrolein	2.09	56	21203	335.10	ug/l	100
14) Allyl chloride	2.18	41	110708	43.67	ug/l	100
15) Acrylonitrile	3.07	53	54060	248.08	ug/l	100
16) Acetone	2.33	43	155531	256.32	ug/l	100
17) Carbon Disulfide	1.88	76	151971m	40.34	ug/l	
18) Methyl Acetate	2.44	43	47240	46.51	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	226422	52.28	ug/l	100
20) Methylene Chloride	2.27	84	71938m	32.19	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	64039	40.29	ug/l	100
22) Diisopropyl ether	2.92	45	245421	48.43	ug/l	100
23) Vinyl Acetate	3.33	43	672467	267.69	ug/l	100
24) 1,1-Dichloroethane	2.99	63	167002	46.32	ug/l	100
25) 2-Butanone	4.50	43	211914	316.97	ug/l	100
26) 2,2-Dichloropropane	3.75	77	124689	42.51	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	92596	49.66	ug/l	100
28) Bromochloromethane	3.88	49	65446	49.27	ug/l	100
29) Tetrahydrofuran	4.26	42	64331	239.74	ug/l	100
30) Chloroform	4.03	83	245061	48.12	ug/l	100
31) Cyclohexane	3.86	56	84554	40.81	ug/l	100
32) 1,1,1-Trichloroethane	4.26	97	185897	44.50	ug/l	100
36) 1,1-Dichloropropene	4.45	75	141173	45.09	ug/l	100
37) Ethyl Acetate	4.29	43	73460	53.78	ug/l	100
38) Carbon Tetrachloride	4.17	117	205452m	44.72	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	108943	42.75	ug/l	100
40) Benzene	4.81	78	253012	45.49	ug/l	100
41) Methacrylonitrile	4.92	41	36859	54.80	ug/l	100
42) 1,2-Dichloroethane	5.11	62	188822	52.18	ug/l	100
43) Isopropyl Acetate	7.11	43	77047	54.48	ug/l	100
44) Trichloroethene	5.67	130	100080	46.46	ug/l	100
45) 1,2-Dichloropropane	6.39	63	73243	49.56	ug/l	100
46) Dibromomethane	6.25	93	69017	53.78	ug/l	100
47) Bromodichloromethane	6.54	83	188501	50.13	ug/l	100
48) Methyl methacrylate	6.87	41	61363	55.28	ug/l	100
49) 1,4-Dioxane	6.86	88	7262	819.84	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	317060	278.59	ug/l	100
52) Toluene	7.77	92	188972	45.75	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	157260	52.29	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	161109	51.62	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	74537	54.33	ug/l	100
56) Ethyl methacrylate	8.76	69	83679	57.53	ug/l	100
57) 1,3-Dichloropropane	9.00	76	125469	52.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	41860	238.36	ug/l	100
59) 2-Hexanone	9.63	43	246081	291.49	ug/l	100
60) Dibromochloromethane	8.86	129	133352	53.88	ug/l	100
61) 1,2-Dibromoethane	9.13	107	85673	51.64	ug/l	100
64) Tetrachloroethene	8.31	164	93347	40.55	ug/l	100
65) Chlorobenzene	9.94	112	257475	45.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	125736	48.67	ug/l	100
67) Ethyl Benzene	10.03	91	463667	45.56	ug/l	100
68) m/p-Xylenes	10.27	106	314317	89.24	ug/l	100
69) o-Xylene	10.83	106	173822	45.70	ug/l	100
70) Styrene	10.90	104	258371	46.71	ug/l	100
71) Bromoform	10.89	173	84739	53.20	ug/l	100
73) Isopropylbenzene	11.22	105	578431	43.83	ug/l	100
74) N-amyl acetate	11.46	43	142049	52.52	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	108714	50.17	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	88474	49.71	ug/l	100
77) Bromobenzene	11.59	156	145806	45.52	ug/l	100
78) n-propylbenzene	11.69	91	645684	42.47	ug/l	100
79) 2-Chlorotoluene	11.81	91	405547	43.83	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	498182	43.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	37990m	41.11	ug/l	
82) 4-Chlorotoluene	11.98	91	426024	43.70	ug/l	100
83) tert-Butylbenzene	12.21	119	522749	44.66	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	512521	43.07	ug/l	100
85) sec-Butylbenzene	12.39	105	664544	43.15	ug/l	100
86) p-Isopropyltoluene	12.54	119	574892	43.41	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	272762	43.67	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	267946	45.03	ug/l	100
89) n-Butylbenzene	12.92	91	545977	42.63	ug/l	100
90) Hexachloroethane	12.99	117	144888	42.98	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	257672	44.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27717	52.59	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	214848	46.17	ug/l	100
94) Hexachlorobutadiene	14.25	225	146500	42.79	ug/l	100
95) Naphthalene	14.52	128	389849	52.57	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	216119	51.09	ug/l	100

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

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