

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059517.D
 Acq On : 17 Jul 2018 20:18
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF071718

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:24 PM

Quant Time: Jul 18 04:23:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 02:57:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	270874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	397698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	380863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	221806	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	206693	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	4.31	113	169978	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	7.73	98	437550	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.52	95	221550	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	151364	45.61	ug/l	95
3) Chloromethane	1.08	50	95108	52.08	ug/l	96
4) Vinyl Chloride	1.14	62	88285	47.92	ug/l	95
5) Bromomethane	1.34	94	61172	47.91	ug/l	90
6) Chloroethane	1.43	64	47726	51.37	ug/l	95
7) Trichlorofluoromethane	1.52	101	214172	47.49	ug/l	88
8) Diethyl Ether	1.71	74	39562	45.59	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.90	101	90338	47.44	ug/l	98
10) Methyl Iodide	1.96	142	183215	54.96	ug/l	99
11) Tert butyl alcohol	2.69	59	46733	263.82	ug/l	95
12) 1,1-Dichloroethene	1.86	96	94886	46.85	ug/l	99
13) Acrolein	2.10	56	17948	236.76	ug/l	97
14) Allyl chloride	2.20	41	133182	52.70	ug/l	97
15) Acrylonitrile	3.09	53	92286	261.10	ug/l	89
16) Acetone	2.35	43	159179	253.35	ug/l	96
17) Carbon Disulfide	1.89	76	247187	47.63	ug/l	95
18) Methyl Acetate	2.45	43	62413m	48.41	ug/l	
19) Methyl tert-butyl Ether	2.54	73	308710	48.59	ug/l	99
20) Methylene Chloride	2.33	84	98696	52.12	ug/l	89
21) trans-1,2-Dichloroethene	2.42	96	92582	49.44	ug/l	99
22) Diisopropyl ether	2.94	45	341173	48.03	ug/l	96
23) Vinyl Acetate	3.34	43	1012952	244.04	ug/l	100
24) 1,1-Dichloroethane	3.01	63	214804	48.97	ug/l	99
25) 2-Butanone	4.53	43	225696	230.75	ug/l	98
26) 2,2-Dichloropropane	3.78	77	128696	44.35	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	104709	48.05	ug/l	98
28) Bromochloromethane	3.90	49	94644	49.02	ug/l #	96
29) Tetrahydrofuran	4.28	42	105758	267.18	ug/l	97
30) Chloroform	4.05	83	305709	48.24	ug/l	99
31) Cyclohexane	3.87	56	127986	56.33	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	210750	51.18	ug/l	96
36) 1,1-Dichloropropene	4.47	75	183883	46.19	ug/l	94
37) Ethyl Acetate	4.32	43	113929	53.54	ug/l #	88
38) Carbon Tetrachloride	4.18	117	231443	50.74	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.64	83	152012	50.32	ug/l	93
40) Benzene	4.82	78	386666	50.07	ug/l	100
41) Methacrylonitrile	4.94	41	52967	46.40	ug/l #	76
42) 1,2-Dichloroethane	5.14	62	241649	47.64	ug/l	98
43) Isopropyl Acetate	7.13	43	142511	49.82	ug/l #	99
44) Trichloroethene	5.69	130	129813	45.41	ug/l	96
45) 1,2-Dichloropropane	6.42	63	104690	48.84	ug/l	95
46) Dibromomethane	6.27	93	93032	47.66	ug/l	98
47) Bromodichloromethane	6.57	83	246380	49.03	ug/l	99
48) Methyl methacrylate	6.89	41	98710	48.32	ug/l	98
49) 1,4-Dioxane	6.89	88	10610	1165.01	ug/l #	71
51) 4-Methyl-2-Pentanone	8.43	43	484390	238.90	ug/l	96
52) Toluene	7.80	92	271036	48.39	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	214781	46.47	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	228069	49.56	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	105207	48.48	ug/l	98
56) Ethyl methacrylate	8.77	69	137476	51.08	ug/l	96
57) 1,3-Dichloropropane	9.02	76	183270	47.76	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.80	63	57272	241.05	ug/l	100
59) 2-Hexanone	9.65	43	391680	255.60	ug/l	99
60) Dibromochloromethane	8.88	129	179094	48.97	ug/l	99
61) 1,2-Dibromoethane	9.16	107	130561	48.49	ug/l	98
64) Tetrachloroethene	8.32	164	143656	50.65	ug/l	95
65) Chlorobenzene	9.96	112	348253	48.76	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	153321	47.13	ug/l	96
67) Ethyl Benzene	10.05	91	605902	47.66	ug/l	99
68) m/p-Xylenes	10.28	106	425704	94.86	ug/l	98
69) o-Xylene	10.84	106	239432	50.11	ug/l	97
70) Styrene	10.91	104	355169	48.36	ug/l	98
71) Bromoform	10.90	173	114427	50.63	ug/l	92
73) Isopropylbenzene	11.24	105	694888	49.65	ug/l	99
74) N-amyl acetate	11.47	43	225368	50.28	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	145607	47.70	ug/l	98
76) 1,2,3-Trichloropropane	11.90	75	118945	47.71	ug/l	97
77) Bromobenzene	11.61	156	187690	47.84	ug/l	98
78) n-propylbenzene	11.70	91	772744	48.13	ug/l	99
79) 2-Chlorotoluene	11.83	91	463345	46.85	ug/l	94
80) 1,3,5-Trimethylbenzene	11.93	105	568074	48.44	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	52631m	46.22	ug/l	
82) 4-Chlorotoluene	12.00	91	529667	47.80	ug/l	96
83) tert-Butylbenzene	12.22	119	544969	48.42	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	566854	46.98	ug/l	100
85) sec-Butylbenzene	12.40	105	674855	47.14	ug/l	99
86) p-Isopropyltoluene	12.55	119	604142	48.51	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	324596	48.23	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	322168	48.58	ug/l	97
89) n-Butylbenzene	12.93	91	569986	48.90	ug/l	98
90) Hexachloroethane	13.00	117	135979	48.06	ug/l	97
91) 1,2-Dichlorobenzene	13.03	146	299829	46.58	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	32259	46.64	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	196530	50.25	µg/l	98
94) Hexachlorobutadiene	14.26	225	97092	48.46	µg/l	98
95) Naphthalene	14.53	128	422696	52.02	µg/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	177646	50.27	µg/l	98

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

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