

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060534.D
 Acq On : 29 Oct 2018 17:53
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 10/30/2018 2:07:23 PM

Quant Time: Oct 30 04:54:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	321038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	519129	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	444349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	270487	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	249838	40.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.28%	
35) Dibromofluoromethane	4.31	113	241289	40.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.30%	
50) Toluene-d8	7.73	98	627228	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.52	95	289897	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.00	85	248555	30.033	ug/l 100
3) Chloromethane	1.13	50	159416	39.994	ug/l 100
4) Vinyl Chloride	1.19	62	167138	37.034	ug/l 100
5) Bromomethane	1.37	94	135543	30.636	ug/l 100
6) Chloroethane	1.43	64	85967	31.466	ug/l 100
7) Trichlorofluoromethane	1.55	101	422083	30.346	ug/l 100
8) Diethyl Ether	1.70	74	53012	39.216	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	193166	32.164	ug/l 100
10) Methyl Iodide	1.97	142	312489	36.320	ug/l 100
11) Tert butyl alcohol	2.69	59	53027	164.500	ug/l 100
12) 1,1-Dichloroethene	1.86	96	153728	35.209	ug/l 100
13) Acrolein	2.10	56	42263	158.364	ug/l 100
14) Allyl chloride	2.20	41	253185	36.134	ug/l 100
15) Acrylonitrile	3.08	53	111961	217.752	ug/l 100
16) Acetone	2.34	43	239872	166.602	ug/l 100
17) Carbon Disulfide	1.87	76	456448	37.374	ug/l 100
18) Methyl Acetate	2.45	43	76334	37.713	ug/l 100
19) Methyl tert-butyl Ether	2.54	73	390196	35.929	ug/l 100
20) Methylene Chloride	2.29	84	148369	33.666	ug/l 100
21) trans-1,2-Dichloroethene	2.42	96	161968	38.211	ug/l 100
22) Diisopropyl ether	2.94	45	493113	39.422	ug/l 100
23) Vinyl Acetate	3.34	43	972667	237.600	ug/l 100
24) 1,1-Dichloroethane	3.00	63	331075	35.211	ug/l 100
25) 2-Butanone	4.51	43	286700	248.149	ug/l 100
26) 2,2-Dichloropropane	3.77	77	233134	37.273	ug/l 100
27) cis-1,2-Dichloroethene	3.65	96	221901	52.674	ug/l 100
28) Bromochloromethane	3.90	49	138046	47.281	ug/l 100
29) Tetrahydrofuran	4.27	42	110177	243.551	ug/l 100
30) Chloroform	4.05	83	460317	41.401	ug/l 100
31) Cyclohexane	3.88	56	254219	50.821	ug/l 100
32) 1,1,1-Trichloroethane	4.29	97	387246	38.351	ug/l 100
36) 1,1-Dichloropropene	4.47	75	312612	41.513	ug/l 100
37) Ethyl Acetate	4.30	43	103180	41.538	ug/l 100
38) Carbon Tetrachloride	4.19	117	375185m	34.224	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	313846	49.510	ug/l	100
40) Benzene	4.82	78	637007	49.739	ug/l	100
41) Methacrylonitrile	4.93	41	59011	46.150	ug/l	100
42) 1,2-Dichloroethane	5.13	62	303128	38.790	ug/l	100
43) Isopropyl Acetate	7.13	43	134916	50.373	ug/l	100
44) Trichloroethene	5.69	130	199655	45.484	ug/l	100
45) 1,2-Dichloropropane	6.42	63	155253	48.377	ug/l	100
46) Dibromomethane	6.26	93	129434	43.887	ug/l	100
47) Bromodichloromethane	6.56	83	335394	41.172	ug/l	100
48) Methyl methacrylate	6.89	41	97500	49.164	ug/l	100
49) 1,4-Dioxane	6.88	88	16201	927.492	ug/l	100
51) 4-Methyl-2-Pentanone	8.42	43	472284	231.657	ug/l	100
52) Toluene	7.80	92	424486	50.339	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	267333	43.870	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	310479	48.663	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	133648	51.003	ug/l	100
56) Ethyl methacrylate	8.77	69	155121	54.182	ug/l	100
57) 1,3-Dichloropropane	9.01	76	233802	50.410	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	71665	193.968	ug/l	100
59) 2-Hexanone	9.64	43	333509	219.635	ug/l	100
60) Dibromochloromethane	8.88	129	215936	44.371	ug/l	100
61) 1,2-Dibromoethane	9.15	107	151396	48.864	ug/l	100
64) Tetrachloroethene	8.32	164	194994	50.946	ug/l	100
65) Chlorobenzene	9.95	112	466817	49.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	202817	43.070	ug/l	100
67) Ethyl Benzene	10.05	91	886066	46.719	ug/l	100
68) m/p-Xylenes	10.28	106	593357	98.820	ug/l	100
69) o-Xylene	10.84	106	342759	50.381	ug/l	100
70) Styrene	10.91	104	475391	49.972	ug/l	100
71) Bromoform	10.90	173	110718	43.649	ug/l	100
73) Isopropylbenzene	11.24	105	1006943	46.879	ug/l	100
74) N-amyl acetate	11.47	43	200952	51.527	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.80	83	179441	56.304	ug/l	100
76) 1,2,3-Trichloropropane	11.90	75	128738	47.540	ug/l	100
77) Bromobenzene	11.60	156	221205	48.957	ug/l	100
78) n-propylbenzene	11.70	91	1172689	46.819	ug/l	100
79) 2-Chlorotoluene	11.82	91	714733	47.098	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	866836	46.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	59252m	52.096	ug/l	
82) 4-Chlorotoluene	11.99	91	728022	45.314	ug/l	100
83) tert-Butylbenzene	12.22	119	834312	44.526	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	854298	45.901	ug/l	100
85) sec-Butylbenzene	12.40	105	1145214	45.044	ug/l	100
86) p-Isopropyltoluene	12.55	119	953693	44.355	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	424260	46.391	ug/l	100
88) 1,4-Dichlorobenzene	12.66	146	413635	46.976	ug/l	100
89) n-Butylbenzene	12.93	91	1005994	43.920	ug/l	100
90) Hexachloroethane	13.00	117	250867	44.599	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	419161	47.815	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	36442	47.072	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	307343	43.804	ug/l	100
94) Hexachlorobutadiene	14.26	225	219179	42.391	ug/l	100
95) Naphthalene	14.53	128	581555	51.554	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	302475	46.800	ug/l	100

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

