

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059637.D
 Acq On : 24 Jul 2018 17:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:23:05 PM

Quant Time: Jul 25 01:25:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	230902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	337560	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	306091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	199909	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	169375	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	4.27	113	155161	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	7.69	98	385998	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.50	95	199834	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	122435	43.097	ug/l	100
3) Chloromethane	1.08	50	63867	47.615	ug/l	100
4) Vinyl Chloride	1.16	62	65420	44.366	ug/l	100
5) Bromomethane	1.33	94	51029	40.576	ug/l	100
6) Chloroethane	1.41	64	40126	44.565	ug/l	100
7) Trichlorofluoromethane	1.53	101	188738m	47.338	ug/l	
8) Diethyl Ether	1.69	74	24461	43.371	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	96816	47.266	ug/l	100
10) Methyl Iodide	1.95	142	145676	43.184	ug/l	100
11) Tert butyl alcohol	2.67	59	27276	190.897	ug/l	100
12) 1,1-Dichloroethene	1.85	96	70137	43.848	ug/l	100
13) Acrolein	2.08	56	15937	227.210	ug/l	100
14) Allyl chloride	2.18	41	125791	43.463	ug/l	100
15) Acrylonitrile	3.06	53	43840	198.675	ug/l	100
16) Acetone	2.33	43	110602	184.883	ug/l	100
17) Carbon Disulfide	1.83	76	177986m	42.809	ug/l	
18) Methyl Acetate	2.45	43	39400	38.821	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	193561	41.789	ug/l	100
20) Methylene Chloride	2.27	84	63934	35.330	ug/l	100
21) trans-1,2-Dichloroethene	2.40	96	74851	45.101	ug/l	100
22) Diisopropyl ether	2.91	45	241498	45.636	ug/l	100
23) Vinyl Acetate	3.32	43	585736	222.107	ug/l	100
24) 1,1-Dichloroethane	2.99	63	170485	44.725	ug/l	100
25) 2-Butanone	4.49	43	129461	207.300	ug/l	100
26) 2,2-Dichloropropane	3.75	77	138401	43.612	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	93060	48.863	ug/l	100
28) Bromochloromethane	3.87	49	63639	45.427	ug/l	100
29) Tetrahydrofuran	4.24	42	53369	209.753	ug/l	100
30) Chloroform	4.02	83	247723	47.079	ug/l	100
31) Cyclohexane	3.85	56	99434	46.532	ug/l	100
32) 1,1,1-Trichloroethane	4.26	97	204518	43.452	ug/l	100
36) 1,1-Dichloropropene	4.44	75	155706	45.869	ug/l	100
37) Ethyl Acetate	4.26	43	57632	43.144	ug/l	100
38) Carbon Tetrachloride	4.15	117	216936	42.220	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	120482	44.003	ug/l	100
40) Benzene	4.79	78	282118	45.461	ug/l	100
41) Methacrylonitrile	4.90	41	30381	46.045	ug/l	100
42) 1,2-Dichloroethane	5.10	62	172634	42.047	ug/l	100
43) Isopropyl Acetate	7.10	43	64315	38.663	ug/l	100
44) Trichloroethene	5.66	130	106531	44.990	ug/l	100
45) 1,2-Dichloropropane	6.39	63	73690	44.409	ug/l	100
46) Dibromomethane	6.23	93	59119	43.827	ug/l	100
47) Bromodichloromethane	6.53	83	184190	44.590	ug/l	100
48) Methyl methacrylate	6.85	41	51490	40.654	ug/l	100
49) 1,4-Dioxane	6.84	88	8101	909.899	ug/l	100
51) 4-Methyl-2-Pentanone	8.39	43	259151	208.249	ug/l	100
52) Toluene	7.76	92	202957	43.242	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	140910	40.757	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	149272	43.341	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	61752	39.662	ug/l	100
56) Ethyl methacrylate	8.75	69	67796	39.280	ug/l	100
57) 1,3-Dichloropropane	8.98	76	106704	39.219	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	43635	212.991	ug/l	100
59) 2-Hexanone	9.61	43	191451	193.650	ug/l	100
60) Dibromochloromethane	8.85	129	121606	43.497	ug/l	100
61) 1,2-Dibromoethane	9.12	107	77091	43.020	ug/l	100
64) Tetrachloroethene	8.29	164	109559	47.804	ug/l	100
65) Chlorobenzene	9.93	112	255033	45.700	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	121345	47.726	ug/l	100
67) Ethyl Benzene	10.02	91	425590	42.109	ug/l	100
68) m/p-Xylenes	10.25	106	334342	95.349	ug/l	100
69) o-Xylene	10.82	106	181880	48.099	ug/l	100
70) Styrene	10.90	104	264004	46.866	ug/l	100
71) Bromoform	10.88	173	72202	46.260	ug/l	100
73) Isopropylbenzene	11.22	105	582003	45.923	ug/l	100
74) N-amyl acetate	11.46	43	121899	43.789	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	93297	44.533	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	75636	41.222	ug/l	100
77) Bromobenzene	11.59	156	136948	42.366	ug/l	100
78) n-propylbenzene	11.67	91	664437	43.948	ug/l	100
79) 2-Chlorotoluene	11.80	91	408118	44.891	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	521123	45.818	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	42798	56.346	ug/l	100
82) 4-Chlorotoluene	11.98	91	430582	42.736	ug/l	100
83) tert-Butylbenzene	12.21	119	513371	45.701	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	525961	45.655	ug/l	100
85) sec-Butylbenzene	12.38	105	680858	46.685	ug/l	100
86) p-Isopropyltoluene	12.53	119	592718	46.428	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	273383	43.545	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	263650	45.048	ug/l	100
89) n-Butylbenzene	12.91	91	588740	48.005	ug/l	100
90) Hexachloroethane	12.99	117	154588	48.504	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	269920	45.697	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	23367	45.846	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	213741	48.425	ug/l	100
94) Hexachlorobutadiene	14.25	225	150290	48.781	ug/l	100
95) Naphthalene	14.51	128	348726	49.011	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	195794	48.926	ug/l	100

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

