

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF083018\
 Data File : VF060192.D
 Acq On : 29 Aug 2018 16:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/30/2018 3:09:08 PM

Quant Time: Aug 30 04:01:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F083018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 02:37:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	157495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	235101	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	253819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	162315	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	147533	112.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	225.10%	
35) Dibromofluoromethane	4.30	113	115233	70.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.74%	
50) Toluene-d8	7.71	98	281192	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	11.52	95	163712	76.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	141105	44.66	ug/l	100
3) Chloromethane	1.08	50	81069	62.90	ug/l	100
4) Vinyl Chloride	1.13	62	61124	50.18	ug/l	100
5) Bromomethane	1.31	94	54384	78.53	ug/l	100
6) Chloroethane	1.39	64	35304	49.06	ug/l	100
7) Trichlorofluoromethane	1.48	101	184506	35.22	ug/l	100
8) Diethyl Ether	1.71	74	25102	97.93	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.87	101	83423	36.18	ug/l	100
10) Methyl Iodide	1.93	142	74639	60.60	ug/l	100
11) Tert butyl alcohol	2.68	59	35424	986.13	ug/l	100
12) 1,1-Dichloroethene	1.83	96	57024	39.15	ug/l	100
13) Acrolein	2.09	56	20399	659.32	ug/l	100
14) Allyl chloride	2.19	41	80517	60.84	ug/l	100
15) Acrylonitrile	3.08	53	50782	687.97	ug/l	100
16) Acetone	2.34	43	156930	732.46	ug/l	100
17) Carbon Disulfide	1.85	76	174746	40.81	ug/l	100
18) Methyl Acetate	2.46	43	48333	112.42	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	184144	118.06	ug/l	100
20) Methylene Chloride	2.28	84	56612	59.68	ug/l	100
21) trans-1,2-Dichloroethene	2.42	96	57489	45.72	ug/l	100
22) Diisopropyl ether	2.93	45	195918	81.63	ug/l	100
23) Vinyl Acetate	3.34	43	626534	739.37	ug/l	100
24) 1,1-Dichloroethane	3.00	63	133904	59.39	ug/l	100
25) 2-Butanone	4.52	43	201867	875.89	ug/l	100
26) 2,2-Dichloropropane	3.77	77	162214	89.35	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	80621	79.32	ug/l	100
28) Bromochloromethane	3.90	49	50540	89.83	ug/l	100
29) Tetrahydrofuran	4.25	42	76376	814.74	ug/l	100
30) Chloroform	4.04	83	214530	78.07	ug/l	100
31) Cyclohexane	3.87	56	96226	47.52	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	197908	55.92	ug/l	100
36) 1,1-Dichloropropene	4.46	75	128470	40.81	ug/l	100
37) Ethyl Acetate	4.29	43	82359	136.87	ug/l	100
38) Carbon Tetrachloride	4.17	117	174644	40.91	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	110723	37.65	ug/l	100
40) Benzene	4.81	78	249237	54.89	ug/l	100
41) Methacrylonitrile	4.92	41	35133	113.56	ug/l	100
42) 1,2-Dichloroethane	5.12	62	174467	90.53	ug/l	100
43) Isopropyl Acetate	7.12	43	91254	124.06	ug/l	100
44) Trichloroethene	5.68	130	88666	47.28	ug/l	100
45) 1,2-Dichloropropane	6.40	63	75512	73.06	ug/l	100
46) Dibromomethane	6.25	93	67434	105.60	ug/l	100
47) Bromodichloromethane	6.55	83	165722	78.97	ug/l	100
48) Methyl methacrylate	6.87	41	67793	116.04	ug/l	100
49) 1,4-Dioxane	6.87	88	11857	2925.51	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	435069	655.26	ug/l	100
52) Toluene	7.78	92	179955	52.35	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	150520	108.94	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	155669	92.95	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	74813	100.23	ug/l	100
56) Ethyl methacrylate	8.77	69	93751	127.55	ug/l	100
57) 1,3-Dichloropropane	9.00	76	133555	102.99	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	39601	277.21	ug/l	100
59) 2-Hexanone	9.63	43	356822	714.56	ug/l	100
60) Dibromochloromethane	8.87	129	122264	100.61	ug/l	100
61) 1,2-Dibromoethane	9.14	107	94183	114.90	ug/l	100
64) Tetrachloroethene	8.31	164	95593	32.79	ug/l	100
65) Chlorobenzene	9.95	112	255893	50.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	108810	61.21	ug/l	100
67) Ethyl Benzene	10.05	91	455887	41.19	ug/l	100
68) m/p-Xylenes	10.28	106	316993	85.72	ug/l	100
69) o-Xylene	10.84	106	174512	51.45	ug/l	100
70) Styrene	10.91	104	267214	61.16	ug/l	100
71) Bromoform	10.90	173	78168	103.93	ug/l	100
73) Isopropylbenzene	11.23	105	524619	32.00	ug/l	100
74) N-amyl acetate	11.47	43	167126	98.76	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	110852	80.39	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	94506	80.92	ug/l	100
77) Bromobenzene	11.60	156	140715	53.56	ug/l	100
78) n-propylbenzene	11.69	91	632201	31.96	ug/l	100
79) 2-Chlorotoluene	11.81	91	390010	40.85	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	454379	35.89	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	38345m	111.41	ug/l	
82) 4-Chlorotoluene	11.99	91	420208	44.15	ug/l	100
83) tert-Butylbenzene	12.22	119	454031	34.18	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	476119	43.15	ug/l	100
85) sec-Butylbenzene	12.39	105	588843	30.32	ug/l	100
86) p-Isopropyltoluene	12.54	119	514929	35.31	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	252848	46.32	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	257194	51.10	ug/l	100
89) n-Butylbenzene	12.93	91	523412	41.27	ug/l	100
90) Hexachloroethane	13.00	117	113541	36.04	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	250299	56.86	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	29349	109.47	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	195060	88.24	ug/l	100
94) Hexachlorobutadiene	14.26	225	124331	35.04	ug/l	100
95) Naphthalene	14.52	128	330947	144.69	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	188981	99.41	ug/l	100

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

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