

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF083018\
 Data File : VF060193.D
 Acq On : 29 Aug 2018 16:58
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 8/30/2018 3:04:39 PM

Quant Time: Aug 30 04:04:24 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	5.04	168	155890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	239889	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	253260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	159263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	203179	156.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.20%	
35) Dibromofluoromethane	4.30	113	148786	89.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.08%	
50) Toluene-d8	7.72	98	385856	72.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.18%	
62) 4-Bromofluorobenzene	11.51	95	221020	100.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	203593	65.09	ug/l	100
3) Chloromethane	1.07	50	113796	89.20	ug/l	89
4) Vinyl Chloride	1.12	62	92262	76.52	ug/l	99
5) Bromomethane	1.32	94	74048	108.02	ug/l	100
6) Chloroethane	1.40	64	52367	73.52	ug/l	88
7) Trichlorofluoromethane	1.49	101	258640	49.88	ug/l	98
8) Diethyl Ether	1.70	74	36121	142.37	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.86	101	122144	53.52	ug/l	96
10) Methyl Iodide	1.93	142	105992	86.95	ug/l	99
11) Tert butyl alcohol	2.68	59	53052	1492.06	ug/l	94
12) 1,1-Dichloroethene	1.83	96	79092	54.86	ug/l	97
13) Acrolein	2.10	56	26086	851.81	ug/l	98
14) Allyl chloride	2.20	41	106469	81.28	ug/l	96
15) Acrylonitrile	3.08	53	73743	1009.33	ug/l	94
16) Acetone	2.34	43	218950	1032.46	ug/l	99
17) Carbon Disulfide	1.84	76	254021	59.94	ug/l	97
18) Methyl Acetate	2.45	43	68549m	161.09	ug/l	
19) Methyl tert-butyl Ether	2.54	73	272552	176.54	ug/l	100
20) Methylene Chloride	2.28	84	88199	93.93	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	86502	69.50	ug/l	100
22) Diisopropyl ether	2.92	45	289960	122.05	ug/l #	98
23) Vinyl Acetate	3.34	43	844127	1006.41	ug/l	98
24) 1,1-Dichloroethane	3.00	63	194363	87.09	ug/l	99
25) 2-Butanone	4.51	43	272243	1193.41	ug/l	100
26) 2,2-Dichloropropane	3.77	77	235103	130.84	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	116344	115.65	ug/l	91
28) Bromochloromethane	3.89	49	64355	115.56	ug/l	93
29) Tetrahydrofuran	4.26	42	103107	1111.21	ug/l	98
30) Chloroform	4.04	83	298793	109.85	ug/l	97
31) Cyclohexane	3.86	56	140067	69.89	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	274574	78.38	ug/l	98
36) 1,1-Dichloropropene	4.46	75	187276	58.30	ug/l	97
37) Ethyl Acetate	4.29	43	105132	171.22	ug/l #	94
38) Carbon Tetrachloride	4.17	117	255643	58.69	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	160158	53.37	ug/l	97
40) Benzene	4.82	78	360495	77.81	ug/l	100
41) Methacrylonitrile	4.93	41	50751	160.77	ug/l	94
42) 1,2-Dichloroethane	5.12	62	259643	132.04	ug/l	99
43) Isopropyl Acetate	7.11	43	135897	181.07	ug/l	99
44) Trichloroethene	5.68	130	124872	65.26	ug/l	99
45) 1,2-Dichloropropane	6.40	63	106430	100.92	ug/l	97
46) Dibromomethane	6.26	93	100140	153.68	ug/l	97
47) Bromodichloromethane	6.55	83	247618	115.63	ug/l	96
48) Methyl methacrylate	6.88	41	94426	158.40	ug/l	94
49) 1,4-Dioxane	6.88	88	17542	4241.79	ug/l #	89
51) 4-Methyl-2-Pentanone	8.41	43	589804	870.58	ug/l	99
52) Toluene	7.78	92	270936	77.25	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	216373	153.48	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	224733	131.51	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	108541	142.51	ug/l	96
56) Ethyl methacrylate	8.76	69	142419	189.90	ug/l	95
57) 1,3-Dichloropropane	9.01	76	194644	147.11	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	57094	391.69	ug/l	100
59) 2-Hexanone	9.64	43	480145	942.33	ug/l	96
60) Dibromochloromethane	8.87	129	177712	143.32	ug/l	90
61) 1,2-Dibromoethane	9.14	107	133502	159.61	ug/l	99
64) Tetrachloroethene	8.31	164	131366	45.16	ug/l	97
65) Chlorobenzene	9.94	112	365176	71.55	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	158013	89.08	ug/l	99
67) Ethyl Benzene	10.04	91	662661	60.00	ug/l	99
68) m/p-Xylenes	10.28	106	451356	122.32	ug/l	99
69) o-Xylene	10.83	106	257366	76.05	ug/l	97
70) Styrene	10.91	104	373205	85.61	ug/l	96
71) Bromoform	10.89	173	114479	152.55	ug/l	98
73) Isopropylbenzene	11.23	105	748481	46.53	ug/l	99
74) N-amyl acetate	11.47	43	241834	145.65	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	152559	112.75	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	125987	109.94	ug/l	96
77) Bromobenzene	11.60	156	198482	77.00	ug/l	97
78) n-propylbenzene	11.69	91	878265	45.25	ug/l	95
79) 2-Chlorotoluene	11.82	91	531983	56.79	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	627666	50.53	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	57984m	171.70	ug/l	
82) 4-Chlorotoluene	11.99	91	590206	63.20	ug/l	94
83) tert-Butylbenzene	12.22	119	625290	47.98	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	662382	61.17	ug/l	97
85) sec-Butylbenzene	12.39	105	832155	43.67	ug/l	98
86) p-Isopropyltoluene	12.55	119	740696	51.77	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	361474	67.49	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	366493	74.21	ug/l	99
89) n-Butylbenzene	12.92	91	721813	58.00	ug/l	97
90) Hexachloroethane	13.00	117	170495	55.16	ug/l	95
91) 1,2-Dichlorobenzene	13.03	146	358359	82.96	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	41145	156.41	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	271579	125.21	ug/l	97
94) Hexachlorobutadiene	14.26	225	172807	49.63	ug/l	99
95) Naphthalene	14.53	128	458212	204.18	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	272932	146.32	ug/l	98

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

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