

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090618\
 Data File : VF060201.D
 Acq On : 6 Sep 2018 13:38
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 9/7/2018 10:49:53 AM

Quant Time: Sep 07 02:19:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 01:56:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	161536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	224774	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	240113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	148277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	203742	72.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.18%	
35) Dibromofluoromethane	4.29	113	156392	71.29	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	142.58%	
50) Toluene-d8	7.71	98	384151	70.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.72%	
62) 4-Bromofluorobenzene	11.50	95	209300	67.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	201711	68.17	ug/l	97
3) Chloromethane	1.07	50	101927	62.71	ug/l	100
4) Vinyl Chloride	1.12	62	84584	68.47	ug/l	95
5) Bromomethane	1.32	94	72893	65.50	ug/l	97
6) Chloroethane	1.40	64	56835	70.60	ug/l	98
7) Trichlorofluoromethane	1.49	101	239365	68.85	ug/l	96
8) Diethyl Ether	1.70	74	36315	70.10	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.86	101	119650	70.02	ug/l	92
10) Methyl Iodide	1.92	142	91479	61.15	ug/l #	98
11) Tert butyl alcohol	2.69	59	42102	337.94	ug/l #	88
12) 1,1-Dichloroethene	1.82	96	78238	67.93	ug/l	99
13) Acrolein	2.09	56	18783	284.27	ug/l #	81
14) Allyl chloride	2.19	41	115648	66.92	ug/l	96
15) Acrylonitrile	3.07	53	73086	344.35	ug/l #	92
16) Acetone	2.35	43	193854	317.45	ug/l	99
17) Carbon Disulfide	1.84	76	248646	73.83	ug/l	98
18) Methyl Acetate	2.45	43	73735	74.65	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	269099	70.77	ug/l	100
20) Methylene Chloride	2.28	84	86104	46.77	ug/l	88
21) trans-1,2-Dichloroethene	2.40	96	86200	73.49	ug/l	99
22) Diisopropyl ether	2.93	45	311700	71.80	ug/l #	97
23) Vinyl Acetate	3.33	43	677671	446.14	ug/l	99
24) 1,1-Dichloroethane	3.00	63	197256	69.89	ug/l	99
25) 2-Butanone	4.51	43	256411	329.78	ug/l	95
26) 2,2-Dichloropropane	3.75	77	224367	65.66	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	106591	70.09	ug/l	98
28) Bromochloromethane	3.88	49	61454	64.59	ug/l	92
29) Tetrahydrofuran	4.26	42	92241	356.35	ug/l	98
30) Chloroform	4.03	83	302378	72.56	ug/l	100
31) Cyclohexane	3.85	56	128374	67.34	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	289682	70.04	ug/l	98
36) 1,1-Dichloropropene	4.45	75	183554	70.36	ug/l	96
37) Ethyl Acetate	4.29	43	96478	67.21	ug/l #	66
38) Carbon Tetrachloride	4.16	117	264915	72.62	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	158354	71.85	ug/l	96
40) Benzene	4.80	78	329706	71.05	ug/l	99
41) Methacrylonitrile	4.92	41	47939	70.38	ug/l	95
42) 1,2-Dichloroethane	5.11	62	253717	74.46	ug/l	100
43) Isopropyl Acetate	7.11	43	118099	76.77	ug/l	94
44) Trichloroethene	5.67	130	129671	67.80	ug/l	94
45) 1,2-Dichloropropane	6.40	63	92566	69.75	ug/l	92
46) Dibromomethane	6.25	93	89128	75.15	ug/l	93
47) Bromodichloromethane	6.54	83	244528	76.33	ug/l	95
48) Methyl methacrylate	6.87	41	91668	75.26	ug/l	95
49) 1,4-Dioxane	6.87	88	10870	395.26	ug/l #	88
51) 4-Methyl-2-Pentanone	8.40	43	509993	373.11	ug/l	98
52) Toluene	7.78	92	238534	66.28	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	195595	73.17	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	196195	71.53	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	99283	73.38	ug/l	98
56) Ethyl methacrylate	8.75	69	120231	78.92	ug/l	94
57) 1,3-Dichloropropane	9.00	76	171270	71.90	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.78	63	54160	333.52	ug/l	100
59) 2-Hexanone	9.63	43	385736	374.72	ug/l	100
60) Dibromochloromethane	8.86	129	175206	78.58	ug/l	91
61) 1,2-Dibromoethane	9.13	107	123959	76.80	ug/l	91
64) Tetrachloroethene	8.30	164	172969	61.93	ug/l	99
65) Chlorobenzene	9.94	112	341462	69.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	150890	69.10	ug/l	99
67) Ethyl Benzene	10.03	91	625399	68.15	ug/l	98
68) m/p-Xylenes	10.26	106	419370	136.37	ug/l	98
69) o-Xylene	10.82	106	224560	68.04	ug/l	96
70) Styrene	10.90	104	345628	69.24	ug/l	96
71) Bromoform	10.88	173	100855	79.08	ug/l #	95
73) Isopropylbenzene	11.23	105	710277	69.46	ug/l	97
74) N-amyl acetate	11.46	43	153977	90.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	118291	77.02	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	118102	72.71	ug/l	80
77) Bromobenzene	11.59	156	177587	66.57	ug/l	87
78) n-propylbenzene	11.68	91	826248	67.71	ug/l	98
79) 2-Chlorotoluene	11.81	91	504218	68.31	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	628645	69.82	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	35003m	66.78	ug/l	
82) 4-Chlorotoluene	11.99	91	561974	68.67	ug/l	99
83) tert-Butylbenzene	12.21	119	558723	68.49	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	635770	69.28	ug/l	99
85) sec-Butylbenzene	12.38	105	733648	65.49	ug/l	99
86) p-Isopropyltoluene	12.54	119	675560	67.40	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	314762	64.78	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	326970	68.18	ug/l	98
89) n-Butylbenzene	12.91	91	674828	69.84	ug/l	98
90) Hexachloroethane	12.99	117	147249	72.22	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	315938	68.14	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	32152	82.10	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	256877	71.85	ug/l	99
94) Hexachlorobutadiene	14.25	225	183486	71.73	ug/l	98
95) Naphthalene	14.52	128	388674	77.77	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	248337	74.19	ug/l	96

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

