

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060535.D
 Acq On : 29 Oct 2018 18:22
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 10/30/2018 2:07:26 PM

Quant Time: Oct 30 04:55:49 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	310843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	531348	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	470784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	261541	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	348700	58.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.16%	
35) Dibromofluoromethane	4.31	113	334961	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
50) Toluene-d8	7.72	98	872110	68.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.12%	
62) 4-Bromofluorobenzene	11.52	95	396502	57.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	373969	46.669	ug/l	95
3) Chloromethane	1.14	50	217372	56.322	ug/l	91
4) Vinyl Chloride	1.19	62	246348	56.376	ug/l	99
5) Bromomethane	1.37	94	193793	45.239	ug/l	98
6) Chloroethane	1.43	64	126268	47.732	ug/l	97
7) Trichlorofluoromethane	1.55	101	596410	44.285	ug/l	96
8) Diethyl Ether	1.70	74	74491	56.913	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	276477	47.546	ug/l	95
10) Methyl Iodide	1.97	142	448850	53.879	ug/l	97
11) Tert butyl alcohol	2.69	59	71676	229.645	ug/l	95
12) 1,1-Dichloroethene	1.86	96	226718	53.630	ug/l	94
13) Acrolein	2.10	56	54352	210.343	ug/l	94
14) Allyl chloride	2.20	41	366200	53.977	ug/l	92
15) Acrylonitrile	3.08	53	149551	300.400	ug/l	96
16) Acetone	2.34	43	304389	218.346	ug/l	99
17) Carbon Disulfide	1.90	76	641454	54.244	ug/l #	94
18) Methyl Acetate	2.45	43	92880	47.393	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	524182	49.850	ug/l	98
20) Methylene Chloride	2.33	84	207765m	48.690	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	232539	56.659	ug/l	98
22) Diisopropyl ether	2.94	45	684449	56.513	ug/l	98
23) Vinyl Acetate	3.34	43	1355423	341.958	ug/l	99
24) 1,1-Dichloroethane	3.01	63	479642	52.684	ug/l	100
25) 2-Butanone	4.52	43	389964	348.598	ug/l	96
26) 2,2-Dichloropropane	3.77	77	308571	50.952	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	303992	74.528	ug/l	98
28) Bromochloromethane	3.90	49	177231	62.692	ug/l	90
29) Tetrahydrofuran	4.26	42	138362	315.886	ug/l	98
30) Chloroform	4.05	83	655587	60.897	ug/l	96
31) Cyclohexane	3.87	56	369978	76.388	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	546456	55.893	ug/l	97
36) 1,1-Dichloropropene	4.47	75	440588	57.161	ug/l	98
37) Ethyl Acetate	4.30	43	133290	52.425	ug/l	100
38) Carbon Tetrachloride	4.18	117	569707m	50.773	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	467745	72.090	ug/l	98
40) Benzene	4.82	78	928031	70.797	ug/l	97
41) Methacrylonitrile	4.93	41	85726	65.500	ug/l #	91
42) 1,2-Dichloroethane	5.12	62	436880	54.620	ug/l	95
43) Isopropyl Acetate	7.12	43	183583	66.968	ug/l #	91
44) Trichloroethene	5.69	130	292038	65.000	ug/l	97
45) 1,2-Dichloropropane	6.41	63	233393	71.053	ug/l	96
46) Dibromomethane	6.26	93	191075	63.298	ug/l	98
47) Bromodichloromethane	6.55	83	476012	57.090	ug/l	96
48) Methyl methacrylate	6.88	41	129048	63.575	ug/l	95
49) 1,4-Dioxane	6.87	88	22518	1259.489	ug/l	96
51) 4-Methyl-2-Pentanone	8.42	43	587898	281.734	ug/l	97
52) Toluene	7.79	92	624612	72.369	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	339486	54.429	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	426684	65.339	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	176283	65.727	ug/l	97
56) Ethyl methacrylate	8.77	69	199566	68.103	ug/l	95
57) 1,3-Dichloropropane	9.01	76	316763	66.727	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.79	63	108334	286.473	ug/l	100
59) 2-Hexanone	9.64	43	431007	277.315	ug/l	93
60) Dibromochloromethane	8.87	129	290082	58.235	ug/l	97
61) 1,2-Dibromoethane	9.15	107	200422	63.199	ug/l	93
64) Tetrachloroethene	8.32	164	270422	66.686	ug/l	96
65) Chlorobenzene	9.95	112	665412	66.613	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	284494	57.022	ug/l	95
67) Ethyl Benzene	10.05	91	1237446	61.583	ug/l	96
68) m/p-Xylenes	10.28	106	833697	131.050	ug/l	91
69) o-Xylene	10.84	106	466501	64.720	ug/l	97
70) Styrene	10.91	104	649557	64.446	ug/l	98
71) Bromoform	10.90	173	149297	55.553	ug/l #	92
73) Isopropylbenzene	11.24	105	1401680	67.488	ug/l	97
74) N-amyl acetate	11.47	43	283581	75.202	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	226418	73.474	ug/l	96
76) 1,2,3-Trichloropropane	11.90	75	171138	65.359	ug/l	87
77) Bromobenzene	11.60	156	312096	71.436	ug/l	94
78) n-propylbenzene	11.70	91	1610511	66.498	ug/l	97
79) 2-Chlorotoluene	11.82	91	978555	66.688	ug/l	94
80) 1,3,5-Trimethylbenzene	11.92	105	1145318	63.002	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	87648m	79.699	ug/l	
82) 4-Chlorotoluene	11.99	91	1017878	65.522	ug/l	97
83) tert-Butylbenzene	12.22	119	1185911	65.455	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	1177850	65.449	ug/l	99
85) sec-Butylbenzene	12.40	105	1546118	62.893	ug/l	98
86) p-Isopropyltoluene	12.55	119	1300939	62.575	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	570563	64.522	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	586009	68.828	ug/l	97
89) n-Butylbenzene	12.92	91	1357409	61.289	ug/l	98
90) Hexachloroethane	13.00	117	354307	65.143	ug/l	87
91) 1,2-Dichlorobenzene	13.03	146	565774	66.747	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	50792	67.852	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	415407	61.230	ug/l	96
94) Hexachlorobutadiene	14.26	225	307741	61.555	ug/l	99
95) Naphthalene	14.53	128	802298	73.555	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	418014	66.888	ug/l	99

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

