

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060531.D
 Acq On : 29 Oct 2018 15:58
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 10/30/2018 2:06:35 PM

Quant Time: Oct 30 05:02:39 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	288132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	470570	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	397130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	226587	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	23839	4.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.64%	
35) Dibromofluoromethane	4.30	113	25844	4.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.48%	
50) Toluene-d8	7.72	98	56190	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	11.52	95	27600	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.00	85	28492	3.836	ug/l 94
3) Chloromethane	1.15	50	19375	5.416	ug/l 95
4) Vinyl Chloride	1.20	62	18833	4.650	ug/l # 80
5) Bromomethane	1.38	94	16923	4.262	ug/l 98
6) Chloroethane	1.43	64	10754	4.386	ug/l 96
7) Trichlorofluoromethane	1.55	101	49819	3.991	ug/l 99
8) Diethyl Ether	1.71	74	6140	5.061	ug/l 85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	24987	4.636	ug/l # 82
10) Methyl Iodide	1.97	142	34642	4.486	ug/l 98
11) Tert butyl alcohol	2.70	59	6805	23.521	ug/l # 82
12) 1,1-Dichloroethene	1.87	96	20292	5.178	ug/l # 77
13) Acrolein	2.09	56	6610	27.597	ug/l 92
14) Allyl chloride	2.19	41	30762	4.892	ug/l 83
15) Acrylonitrile	3.07	53	12391	26.851	ug/l 94
16) Acetone	2.34	43	29401	22.752	ug/l 100
17) Carbon Disulfide	1.85	76	52033m	4.747	ug/l
18) Methyl Acetate	2.46	43	10747	5.916	ug/l # 80
19) Methyl tert-butyl Ether	2.55	73	39320	4.034	ug/l 95
20) Methylene Chloride	2.28	84	24180	6.113	ug/l # 86
21) trans-1,2-Dichloroethene	2.42	96	19043	5.006	ug/l 90
22) Diisopropyl ether	2.93	45	51615	4.598	ug/l # 92
23) Vinyl Acetate	3.34	43	88829	24.177	ug/l # 94
24) 1,1-Dichloroethane	3.01	63	37983	4.501	ug/l 97
25) 2-Butanone	4.52	43	52455m	50.587	ug/l
26) 2,2-Dichloropropane	3.78	77	23025	4.102	ug/l 93
27) cis-1,2-Dichloroethene	3.65	96	20958	5.543	ug/l 95
28) Bromochloromethane	3.91	49	14245	5.436	ug/l 90
29) Tetrahydrofuran	4.26	42	14117	34.770	ug/l # 82
30) Chloroform	4.06	83	45923	4.602	ug/l 86
31) Cyclohexane	3.88	56	23920	5.328	ug/l 91
32) 1,1,1-Trichloroethane	4.30	97	34796	3.840	ug/l 91
36) 1,1-Dichloropropene	4.47	75	29167	4.273	ug/l 93
37) Ethyl Acetate	4.29	43	12180	5.409	ug/l # 89
38) Carbon Tetrachloride	4.18	117	37277	3.751	ug/l 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	29959	5.214	ug/l	98
40) Benzene	4.82	78	59076	5.089	ug/l	97
41) Methacrylonitrile	4.93	41	5455	4.706	ug/l #	89
42) 1,2-Dichloroethane	5.13	62	25940	3.662	ug/l	96
43) Isopropyl Acetate	7.12	43	12700	5.231	ug/l #	86
44) Trichloroethene	5.68	130	19644	4.937	ug/l	88
45) 1,2-Dichloropropane	6.42	63	13629	4.685	ug/l	97
46) Dibromomethane	6.26	93	10604	3.967	ug/l	85
47) Bromodichloromethane	6.56	83	28495	3.859	ug/l #	89
48) Methyl methacrylate	6.88	41	6235	3.468	ug/l #	83
49) 1,4-Dioxane	6.89	88	1191	75.220	ug/l #	75
51) 4-Methyl-2-Pentanone	8.41	43	44592	24.130	ug/l #	86
52) Toluene	7.79	92	36881	4.825	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	22610	4.093	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	25821	4.465	ug/l	90
55) 1,1,2-Trichloroethane	8.65	97	11106	4.676	ug/l	87
56) Ethyl methacrylate	8.78	69	12654	4.876	ug/l	87
57) 1,3-Dichloropropane	9.00	76	19362	4.605	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.78	63	6395	19.095	ug/l	100
59) 2-Hexanone	9.64	43	39298	28.551	ug/l	92
60) Dibromochloromethane	8.88	129	17300	3.922	ug/l	88
61) 1,2-Dibromoethane	9.15	107	13612	4.847	ug/l	91
64) Tetrachloroethene	8.32	164	16605	4.854	ug/l	95
65) Chlorobenzene	9.95	112	41310	4.902	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.08	131	18187	4.321	ug/l	97
67) Ethyl Benzene	10.05	91	77832	4.592	ug/l	97
68) m/p-Xylenes	10.29	106	53905	10.045	ug/l	100
69) o-Xylene	10.84	106	30007	4.935	ug/l	91
70) Styrene	10.91	104	43276	5.090	ug/l	99
71) Bromoform	10.90	173	9021	3.979	ug/l #	83
73) Isopropylbenzene	11.23	105	96521	5.364	ug/l	98
74) N-amyl acetate	11.48	43	18856	5.772	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	14446	5.411	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	11271	4.968	ug/l	89
77) Bromobenzene	11.61	156	20163	5.327	ug/l	81
78) n-propylbenzene	11.69	91	113811	5.424	ug/l	99
79) 2-Chlorotoluene	11.82	91	66065	5.197	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	79466	5.046	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.96	75	3681m	3.863	ug/l	
82) 4-Chlorotoluene	12.00	91	71336	5.300	ug/l	96
83) tert-Butylbenzene	12.23	119	78699	5.014	ug/l	98
84) 1,2,4-Trimethylbenzene	12.30	105	83781	5.374	ug/l	95
85) sec-Butylbenzene	12.39	105	109383	5.136	ug/l	94
86) p-Isopropyltoluene	12.54	119	88931	4.937	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	44108	5.757	ug/l	86
88) 1,4-Dichlorobenzene	12.65	146	39365	5.337	ug/l	97
89) n-Butylbenzene	12.93	91	96799	5.045	ug/l	94
90) Hexachloroethane	13.01	117	21064	4.470	ug/l	80
91) 1,2-Dichlorobenzene	13.03	146	38930	5.301	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.73	75	2765	4.264	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	29463	5.013	ug/l	97
94) Hexachlorobutadiene	14.27	225	19435	4.487	ug/l	98
95) Naphthalene	14.53	128	46661	4.938	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.68	180	25383	4.688	ug/l	95

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

