

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060387.D
 Acq On : 1 Oct 2018 16:50
 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
 10/2/2018 12:29:02 PM

Quant Time: Oct 02 00:39:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	284428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	461077	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	406389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	237638	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	23998	6.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.02%	
35) Dibromofluoromethane	4.27	113	22829	5.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.90%	
50) Toluene-d8	7.69	98	55428	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
62) 4-Bromofluorobenzene	11.49	95	26673	5.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	29958	5.499	ug/l	92
3) Chloromethane	1.12	50	17900	4.523	ug/l	98
4) Vinyl Chloride	1.17	62	19702	4.862	ug/l #	85
5) Bromomethane	1.36	94	14322	5.096	ug/l	88
6) Chloroethane	1.42	64	10196	5.251	ug/l	89
7) Trichlorofluoromethane	1.54	101	43666	5.549	ug/l	93
8) Diethyl Ether	1.69	74	6830	5.487	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.88	101	23653	5.813	ug/l	92
10) Methyl Iodide	1.96	142	32090	4.939	ug/l	89
11) Tert butyl alcohol	2.67	59	8307	32.537	ug/l #	63
12) 1,1-Dichloroethene	1.85	96	17665	5.356	ug/l #	91
13) Acrolein	2.08	56	6075	41.571	ug/l #	64
14) Allyl chloride	2.18	41	26306	4.615	ug/l	94
15) Acrylonitrile	3.05	53	12444	23.260	ug/l #	79
16) Acetone	2.32	43	32503	30.357	ug/l #	92
17) Carbon Disulfide	1.88	76	52087	5.135	ug/l #	89
18) Methyl Acetate	2.43	43	12193	6.644	ug/l #	88
19) Methyl tert-butyl Ether	2.52	73	40664	4.911	ug/l	97
20) Methylene Chloride	2.27	84	29653m	7.680	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	17376	5.074	ug/l #	73
22) Diisopropyl ether	2.91	45	52870	4.957	ug/l	97
23) Vinyl Acetate	3.31	43	110508	26.252	ug/l	97
24) 1,1-Dichloroethane	2.97	63	34187	4.860	ug/l #	95
25) 2-Butanone	4.49	43	33638	24.148	ug/l #	91
26) 2,2-Dichloropropane	3.73	77	21367	5.385	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	18157	4.165	ug/l	84
28) Bromochloromethane	3.86	49	12886	4.706	ug/l #	73
29) Tetrahydrofuran	4.24	42	16075	30.702	ug/l #	87
30) Chloroform	4.01	83	45100	5.344	ug/l	93
31) Cyclohexane	3.83	56	26099	4.495	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	37010	5.473	ug/l	94
36) 1,1-Dichloropropene	4.43	75	28356	4.890	ug/l #	86
37) Ethyl Acetate	4.27	43	11508	4.803	ug/l #	81
38) Carbon Tetrachloride	4.15	117	35325	5.412	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	29957	4.917	ug/l	88
40) Benzene	4.78	78	59232	4.644	ug/l	93
41) Methacrylonitrile	4.90	41	6897	5.366	ug/l #	76
42) 1,2-Dichloroethane	5.09	62	28006	5.672	ug/l	96
43) Isopropyl Acetate	7.10	43	14884	5.155	ug/l #	94
44) Trichloroethene	5.65	130	19893	5.207	ug/l	88
45) 1,2-Dichloropropane	6.37	63	16026	4.823	ug/l #	86
46) Dibromomethane	6.23	93	12928	5.326	ug/l	93
47) Bromodichloromethane	6.52	83	32933	5.619	ug/l	99
48) Methyl methacrylate	6.85	41	9846m	4.794	ug/l	
49) 1,4-Dioxane	6.84	88	1363	74.995	ug/l #	62
51) 4-Methyl-2-Pentanone	8.38	43	57479	26.518	ug/l	100
52) Toluene	7.76	92	42613	5.236	ug/l	90
53) t-1,3-Dichloropropene	8.41	75	27121	5.805	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	29891	5.099	ug/l	96
55) 1,1,2-Trichloroethane	8.61	97	13406	5.429	ug/l #	88
56) Ethyl methacrylate	8.74	69	14945	5.006	ug/l	88
57) 1,3-Dichloropropane	8.98	76	22226	5.413	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	7197	26.596	ug/l	100
59) 2-Hexanone	9.61	43	41257	26.919	ug/l	90
60) Dibromochloromethane	8.84	129	18002	4.837	ug/l	88
61) 1,2-Dibromoethane	9.11	107	13810	4.967	ug/l	94
64) Tetrachloroethene	8.28	164	18155	5.004	ug/l	93
65) Chlorobenzene	9.91	112	43036	4.725	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	19163	4.997	ug/l	87
67) Ethyl Benzene	10.01	91	90838	5.370	ug/l	98
68) m/p-Xylenes	10.24	106	58967	10.099	ug/l	90
69) o-Xylene	10.80	106	31280	4.787	ug/l	90
70) Styrene	10.88	104	46583	5.068	ug/l	96
71) Bromoform	10.87	173	10075	4.817	ug/l	89
73) Isopropylbenzene	11.21	105	98837	4.711	ug/l	98
74) N-amyl acetate	11.45	43	22449	4.939	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	17847	4.792	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	13222	4.907	ug/l	99
77) Bromobenzene	11.58	156	22273	4.914	ug/l	82
78) n-propylbenzene	11.67	91	127865	5.132	ug/l	91
79) 2-Chlorotoluene	11.80	91	67065	4.668	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	86546	5.101	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	5240m	3.727	ug/l	
82) 4-Chlorotoluene	11.97	91	76191	5.301	ug/l	100
83) tert-Butylbenzene	12.20	119	80313	4.656	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	81107	4.682	ug/l	94
85) sec-Butylbenzene	12.37	105	118347	4.982	ug/l	88
86) p-Isopropyltoluene	12.53	119	97389	5.151	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	43066	5.061	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	42909	5.123	ug/l	96
89) n-Butylbenzene	12.90	91	101279	5.030	ug/l	92
90) Hexachloroethane	12.98	117	22550	4.645	ug/l	87
91) 1,2-Dichlorobenzene	13.01	146	41133	5.049	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	3359	4.764	ug/l	85

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93) 1,2,4-Trichlorobenzene	14.25	180	30482	5.126	ug/l	91
94) Hexachlorobutadiene	14.24	225	19816	4.934	ug/l	99
95) Naphthalene	14.51	128	45659	4.347	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	26332	4.802	ug/l	95

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

