

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060887.D
 Acq On : 3 Dec 2018 12:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/4/2018 2:47:13 PM

Quant Time: Dec 04 03:22:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	194053	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	292015	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	295707	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.57	152	151282	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	115799	50.66	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.32%	
35) Dibromofluoromethane	4.14	113	119890	51.75	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.50%	
50) Toluene-d8	7.58	98	356401	52.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	11.42	95	156663	50.51	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	135590	46.731	ug/l	99
3) Chloromethane	1.12	50	87232	46.202	ug/l #	87
4) Vinyl Chloride	1.15	62	82517	46.855	ug/l	96
5) Bromomethane	1.33	94	62406	50.253	ug/l	90
6) Chloroethane	1.38	64	36725	48.241	ug/l	97
7) Trichlorofluoromethane	1.49	101	191877	50.779	ug/l	99
8) Diethyl Ether	1.64	74	25151	46.288	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.84	101	96606	50.571	ug/l	92
10) Methyl Iodide	1.91	142	143946m	49.574	ug/l	
11) Tert butyl alcohol	2.59	59	25022	267.018	ug/l	97
12) 1,1-Dichloroethene	1.80	96	72645	47.279	ug/l	98
13) Acrolein	2.01	56	18453	207.836	ug/l	98
14) Allyl chloride	2.10	41	82719	43.192	ug/l	99
15) Acrylonitrile	2.96	53	51072	243.098	ug/l	93
16) Acetone	2.25	43	123521	293.014	ug/l	100
17) Carbon Disulfide	1.85	76	182498	44.297	ug/l	98
18) Methyl Acetate	2.36	43	40751	57.881	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	176146	50.899	ug/l	94
20) Methylene Chloride	2.26	84	67665m	43.754	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	67496m	45.564	ug/l	
22) Diisopropyl ether	2.81	45	261348	50.134	ug/l	98
23) Vinyl Acetate	3.20	43	614614	257.926	ug/l	98
24) 1,1-Dichloroethane	2.88	63	159460	51.413	ug/l	97
25) 2-Butanone	4.35	43	189331	259.664	ug/l	100
26) 2,2-Dichloropropane	3.61	77	103918	51.681	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	120895	50.130	ug/l	98
28) Bromochloromethane	3.73	49	73551	49.413	ug/l	89
29) Tetrahydrofuran	4.10	42	75797	245.241	ug/l	95
30) Chloroform	3.88	83	238856	50.039	ug/l	100
31) Cyclohexane	3.71	56	146856m	45.624	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	175122m	52.899	ug/l	
36) 1,1-Dichloropropene	4.30	75	177576	54.826	ug/l	98
37) Ethyl Acetate	4.14	43	71153	54.059	ug/l #	87
38) Carbon Tetrachloride	4.01	117	162770	56.897	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	166948	49.184	ug/l	98
40) Benzene	4.65	78	378215	52.857	ug/l	99
41) Methacrylonitrile	4.77	41	36357	53.632	ug/l	96
42) 1,2-Dichloroethane	4.96	62	152131	58.236	ug/l	96
43) Isopropyl Acetate	6.98	43	100432	62.525	ug/l #	97
44) Trichloroethene	5.53	130	119652	51.142	ug/l	100
45) 1,2-Dichloropropane	6.26	63	102702	55.264	ug/l	99
46) Dibromomethane	6.11	93	69423	55.069	ug/l	97
47) Bromodichloromethane	6.40	83	182443	54.488	ug/l	93
48) Methyl methacrylate	6.74	41	64644	54.259	ug/l	99
49) 1,4-Dioxane	6.72	88	10182	1167.723	ug/l	94
51) 4-Methyl-2-Pentanone	8.28	43	336066	276.880	ug/l	96
52) Toluene	7.65	92	253047	50.347	ug/l	94
53) t-1,3-Dichloropropene	8.30	75	151973	55.800	ug/l	99
54) cis-1,3-Dichloropropene	7.32	75	191163	56.697	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	77117	52.656	ug/l	94
56) Ethyl methacrylate	8.64	69	94836	58.292	ug/l	99
57) 1,3-Dichloropropane	8.87	76	145091	56.626	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.31	63	38089	228.886	ug/l	100
59) 2-Hexanone	9.51	43	244413	287.029	ug/l	100
60) Dibromochloromethane	8.73	129	118844	54.462	ug/l	97
61) 1,2-Dibromoethane	9.01	107	78698	49.742	ug/l	95
64) Tetrachloroethene	8.17	164	109054	48.284	ug/l	95
65) Chlorobenzene	9.82	112	291398	50.655	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	122755	49.637	ug/l	98
67) Ethyl Benzene	9.92	91	537551	50.193	ug/l	98
68) m/p-Xylenes	10.15	106	375721	97.543	ug/l	98
69) o-Xylene	10.73	106	207774	48.917	ug/l	95
70) Styrene	10.80	104	288113	48.933	ug/l	96
71) Bromoform	10.79	173	64823	54.265	ug/l #	93
73) Isopropylbenzene	11.14	105	621461	51.983	ug/l	100
74) N-amyl acetate	11.39	43	145777	52.806	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	103717	52.714	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	74006	51.747	ug/l	94
77) Bromobenzene	11.51	156	136398	52.040	ug/l	93
78) n-propylbenzene	11.61	91	712379	50.883	ug/l	96
79) 2-Chlorotoluene	11.73	91	423886	52.803	ug/l	95
80) 1,3,5-Trimethylbenzene	11.84	105	495795	51.085	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	38523m	54.977	ug/l	
82) 4-Chlorotoluene	11.92	91	423719	50.156	ug/l	94
83) tert-Butylbenzene	12.14	119	508704	51.456	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	488259	50.408	ug/l	100
85) sec-Butylbenzene	12.32	105	664150	49.074	ug/l	98
86) p-Isopropyltoluene	12.47	119	565485	49.838	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	239904	48.120	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	246989	50.835	ug/l	97
89) n-Butylbenzene	12.86	91	586401	51.111	ug/l	97
90) Hexachloroethane	12.93	117	139608	51.096	ug/l	83
91) 1,2-Dichlorobenzene	12.95	146	238240	50.461	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19236	50.567	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	175230	53.118	ug/l	97
94) Hexachlorobutadiene	14.21	225	115137	52.356	ug/l	99
95) Naphthalene	14.47	128	329119	51.507	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	160834	52.507	ug/l	97

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

