

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061434.D
 Acq On : 17 Jan 2019 2:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5mL/MSVOA-F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 1:24:23 PM

Quant Time: Jan 17 03:41:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	184450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	353593	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	315315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	143922	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	115495	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
35) Dibromofluoromethane	4.10	113	132456	47.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.94%	
50) Toluene-d8	7.54	98	384365	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.40	95	160586	44.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	182715	50.416	ug/l	90
3) Chloromethane	1.09	50	142468	53.612	ug/l	95
4) Vinyl Chloride	1.13	62	128042	54.166	ug/l	95
5) Bromomethane	1.31	94	83710	54.305	ug/l	93
6) Chloroethane	1.39	64	57359	54.761	ug/l	99
7) Trichlorofluoromethane	1.47	101	210411	45.786	ug/l	96
8) Diethyl Ether	1.62	74	31945	54.251	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.82	101	113157	51.246	ug/l	97
10) Methyl Iodide	1.90	142	184948m	54.028	ug/l	
11) Tert butyl alcohol	2.56	59	25883	268.516	ug/l	96
12) 1,1-Dichloroethene	1.79	96	90880	55.398	ug/l	88
13) Acrolein	1.99	56	21908	263.292	ug/l	86
14) Allyl chloride	2.09	41	128596	69.617	ug/l	85
15) Acrylonitrile	2.93	53	72151	292.216	ug/l	97
16) Acetone	2.23	43	101553	222.291	ug/l	96
17) Carbon Disulfide	1.81	76	282756	55.278	ug/l	96
18) Methyl Acetate	2.33	43	49923	55.103	ug/l	100
19) Methyl tert-butyl Ether	2.41	73	189243	51.459	ug/l	95
20) Methylene Chloride	2.17	84	91629m	59.416	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	86371	47.853	ug/l	95
22) Diisopropyl ether	2.79	45	315594	54.059	ug/l	98
23) Vinyl Acetate	3.17	43	790613	307.153	ug/l	100
24) 1,1-Dichloroethane	2.86	63	195001	53.220	ug/l	97
25) 2-Butanone	4.32	43	205234	270.145	ug/l	98
26) 2,2-Dichloropropane	3.58	77	94851	42.134	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	144746	54.327	ug/l	99
28) Bromochloromethane	3.71	49	87088	52.876	ug/l #	94
29) Tetrahydrofuran	4.06	42	91427	279.483	ug/l	96
30) Chloroform	3.84	83	258818	52.340	ug/l	100
31) Cyclohexane	3.68	56	211408m	57.761	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	149156	41.138	ug/l	96
36) 1,1-Dichloropropene	4.26	75	202951	49.503	ug/l	96
37) Ethyl Acetate	4.09	43	85517	52.183	ug/l #	92
38) Carbon Tetrachloride	3.97	117	150742	42.058	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	220295	49.583	ug/l	96
40) Benzene	4.61	78	439845	48.215	ug/l	100
41) Methacrylonitrile	4.73	41	43987	50.443	ug/l	94
42) 1,2-Dichloroethane	4.93	62	155143	47.725	ug/l	99
43) Isopropyl Acetate	6.94	43	105490	51.288	ug/l #	91
44) Trichloroethene	5.49	130	137969	49.301	ug/l	96
45) 1,2-Dichloropropane	6.22	63	125624	52.469	ug/l	96
46) Dibromomethane	6.07	93	79446	49.902	ug/l	97
47) Bromodichloromethane	6.37	83	202261	51.348	ug/l	98
48) Methyl methacrylate	6.70	41	70994	51.402	ug/l	94
49) 1,4-Dioxane	6.68	88	11268	1181.346	ug/l #	70
51) 4-Methyl-2-Pentanone	8.24	43	391895	259.177	ug/l	100
52) Toluene	7.61	92	293347	48.830	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	152483	48.751	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	203885	52.149	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	89694	52.576	ug/l	98
56) Ethyl methacrylate	8.61	69	98451	49.603	ug/l	96
57) 1,3-Dichloropropane	8.83	76	162273	50.748	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	62666	295.469	ug/l	92
59) 2-Hexanone	9.48	43	260329	246.897	ug/l	98
60) Dibromochloromethane	8.71	129	124471	49.907	ug/l	99
61) 1,2-Dibromoethane	8.97	107	96584	49.455	ug/l	93
64) Tetrachloroethene	8.13	164	130968	55.233	ug/l	95
65) Chlorobenzene	9.78	112	334167	52.115	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	129542	50.714	ug/l	96
67) Ethyl Benzene	9.89	91	579816	49.492	ug/l	96
68) m/p-Xylenes	10.12	106	416102	98.752	ug/l	93
69) o-Xylene	10.70	106	234643	51.380	ug/l	92
70) Styrene	10.78	104	309476	49.507	ug/l	97
71) Bromoform	10.76	173	59811	52.114	ug/l #	98
73) Isopropylbenzene	11.11	105	656118	56.052	ug/l	99
74) N-amyl acetate	11.36	43	171458	61.945	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	116563	55.898	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	78877	52.642	ug/l	94
77) Bromobenzene	11.49	156	135528	54.823	ug/l	96
78) n-propylbenzene	11.59	91	749718	52.980	ug/l	98
79) 2-Chlorotoluene	11.71	91	435904	53.672	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	496490	52.558	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	31976m	49.091	ug/l	
82) 4-Chlorotoluene	11.89	91	439711	53.652	ug/l	98
83) tert-Butylbenzene	12.12	119	540574	55.289	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	502653	51.658	ug/l	98
85) sec-Butylbenzene	12.30	105	716578	53.968	ug/l	98
86) p-Isopropyltoluene	12.45	119	588350	53.979	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	251561	51.338	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	249420	53.393	ug/l	99
89) n-Butylbenzene	12.83	91	600682	53.437	ug/l	97
90) Hexachloroethane	12.91	117	151160	58.832	ug/l	100
91) 1,2-Dichlorobenzene	12.93	146	252297	54.557	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	21230	57.399	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	171252	52.863	ug/l	98
94) Hexachlorobutadiene	14.18	225	107069	53.262	ug/l	100
95) Naphthalene	14.45	128	342913	55.714	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	160773	53.611	ug/l	98

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

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