

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062193.D
 Acq On : 17 Apr 2019 18:38
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:20 AM

Quant Time: Apr 18 07:08:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	410092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	597159	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	461958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	236107	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	194617	35.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.26%	
35) Dibromofluoromethane	4.30	113	251336	61.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.74%	
50) Toluene-d8	7.70	98	664900	44.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.06%	
62) 4-Bromofluorobenzene	11.48	95	243482	45.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	296716	60.327	ug/l	100
3) Chloromethane	1.15	50	308319	52.018	ug/l	100
4) Vinyl Chloride	1.19	62	270052	47.901	ug/l	100
5) Bromomethane	1.40	94	167240	45.081	ug/l	100
6) Chloroethane	1.45	64	120068	37.730	ug/l	100
7) Trichlorofluoromethane	1.55	101	347551	51.900	ug/l	100
8) Diethyl Ether	1.70	74	74446	26.652	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	234752	54.075	ug/l	100
10) Methyl Iodide	1.98	142	427912	85.262	ug/l	100
11) Tert butyl alcohol	2.69	59	62255	57.215	ug/l	100
12) 1,1-Dichloroethene	1.87	96	220869	49.629	ug/l	100
13) Acrolein	2.09	56	26023	28.693	ug/l	100
14) Allyl chloride	2.19	41	244673	27.658	ug/l	100
15) Acrylonitrile	3.07	53	192656	67.208	ug/l	100
16) Acetone	2.34	43	222604	83.693	ug/l	100
17) Carbon Disulfide	1.91	76	647282m	47.006	ug/l	
18) Methyl Acetate	2.45	43	97949	14.654	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	394578	27.224	ug/l	100
20) Methylene Chloride	2.33	84	224424m	43.904	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	225257	47.780	ug/l	100
22) Diisopropyl ether	2.93	45	647062	36.266	ug/l	100
23) Vinyl Acetate	3.33	43	1666166	112.659	ug/l	100
24) 1,1-Dichloroethane	3.00	63	343509	37.987	ug/l	100
25) 2-Butanone	4.51	43	439643	102.252	ug/l	100
26) 2,2-Dichloropropane	3.75	77	170017	26.261	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	295898	53.968	ug/l	100
28) Bromochloromethane	3.88	49	155096	36.683	ug/l #	100
29) Tetrahydrofuran	4.26	42	200599	70.878	ug/l	100
30) Chloroform	4.04	83	444941	52.120	ug/l	100
31) Cyclohexane	3.86	56	427018	46.567	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	256498	38.382	ug/l	100
36) 1,1-Dichloropropene	4.45	75	355060	55.459	ug/l	100
37) Ethyl Acetate	4.29	43	163093	22.777	ug/l #	100
38) Carbon Tetrachloride	4.17	117	288133	53.863	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	424479	54.906	ug/l	100
40) Benzene	4.81	78	913513	49.756	ug/l	100
41) Methacrylonitrile	4.92	41	97964	23.659	ug/l	100
42) 1,2-Dichloroethane	5.11	62	244463	39.111	ug/l	100
43) Isopropyl Acetate	7.10	43	170491	15.113	ug/l	100
44) Trichloroethene	5.67	130	251830	54.677	ug/l	100
45) 1,2-Dichloropropane	6.39	63	201280	41.000	ug/l	100
46) Dibromomethane	6.25	93	140441	47.726	ug/l	100
47) Bromodichloromethane	6.53	83	302974	51.871	ug/l	100
48) Methyl methacrylate	6.86	41	113192	19.997	ug/l	100
49) 1,4-Dioxane	6.86	88	26047	248.263	ug/l	100
51) 4-Methyl-2-Pentanone	8.39	43	639654	88.247	ug/l	100
52) Toluene	7.77	92	499316	46.038	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	231353	36.816	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	309932	42.804	ug/l	100
55) 1,1,2-Trichloroethane	8.62	97	136826	33.475	ug/l	100
56) Ethyl methacrylate	8.74	69	151074	21.645	ug/l	100
57) 1,3-Dichloropropane	8.98	76	220968	30.677	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.43	63	233236	63.999	ug/l	100
59) 2-Hexanone	9.61	43	405051	73.245	ug/l	100
60) Dibromochloromethane	8.84	129	205324	49.695	ug/l	100
61) 1,2-Dibromoethane	9.12	107	154607	36.356	ug/l	100
64) Tetrachloroethene	8.29	164	206328	56.588	ug/l	100
65) Chlorobenzene	9.91	112	514046	51.708	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	229476	62.954	ug/l	100
67) Ethyl Benzene	10.01	91	874780	48.872	ug/l	100
68) m/p-Xylenes	10.24	106	639487	98.190	ug/l	100
69) o-Xylene	10.80	106	367389	56.260	ug/l	100
70) Styrene	10.88	104	495765	45.821	ug/l	100
71) Bromoform	10.86	173	119655	44.631	ug/l #	100
73) Isopropylbenzene	11.21	105	1029533	55.861	ug/l	100
74) N-amyl acetate	11.43	43	240184	25.569	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.76	83	176667	28.995	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	120173	22.827	ug/l #	64
77) Bromobenzene	11.57	156	216945	47.884	ug/l	100
78) n-propylbenzene	11.66	91	1045722	50.667	ug/l	100
79) 2-Chlorotoluene	11.79	91	642106	51.166	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	843571	54.767	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.92	75	61819m	30.000	ug/l	
82) 4-Chlorotoluene	11.96	91	608907	43.152	ug/l	100
83) tert-Butylbenzene	12.19	119	876206	58.254	ug/l	100
84) 1,2,4-Trimethylbenzene	12.26	105	794936	51.312	ug/l	100
85) sec-Butylbenzene	12.36	105	1147514	62.975	ug/l	100
86) p-Isopropyltoluene	12.51	119	958219	58.291	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	386693	48.652	ug/l	100
88) 1,4-Dichlorobenzene	12.61	146	380820	47.369	ug/l	100
89) n-Butylbenzene	12.89	91	840717	55.701	ug/l	100
90) Hexachloroethane	12.96	117	252712	83.841	ug/l	100
91) 1,2-Dichlorobenzene	12.99	146	377659	48.163	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.68	75	35219	25.687	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	316868	54.699	ug/l	100
94) Hexachlorobutadiene	14.22	225	225387	72.378	ug/l	100
95) Naphthalene	14.49	128	564398	33.103	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	320141	55.659	ug/l	100

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

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