

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062433.D
 Acq On : 10 May 2019 21:11
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 3:49:08 PM

Quant Time: May 11 05:46:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	310311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	424790	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	361179	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	218975	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	162096	55.27	ug/l	0.02
Spiked Amount 50.000			Recovery	=	110.54%	
35) Dibromofluoromethane	4.31	113	184317	54.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.92%	
50) Toluene-d8	7.72	98	425306	51.92	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.50	95	188029	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	164441	45.788	ug/l	94
3) Chloromethane	1.16	50	106778	45.081	ug/l	96
4) Vinyl Chloride	1.20	62	110421	46.738	ug/l	90
5) Bromomethane	1.41	94	95204	53.585	ug/l	96
6) Chloroethane	1.45	64	59463	50.062	ug/l	100
7) Trichlorofluoromethane	1.57	101	269574m	54.994	ug/l	
8) Diethyl Ether	1.72	74	37734	50.875	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	148197	52.955	ug/l	97
10) Methyl Iodide	1.99	142	249511	54.102	ug/l	99
11) Tert butyl alcohol	2.70	59	35284	212.887	ug/l	99
12) 1,1-Dichloroethene	1.88	96	119217	50.109	ug/l	96
13) Acrolein	2.10	56	19537	185.232	ug/l	88
14) Allyl chloride	2.20	41	134152	63.833	ug/l	98
15) Acrylonitrile	3.10	53	85281	271.634	ug/l	94
16) Acetone	2.35	43	137938	232.518	ug/l	96
17) Carbon Disulfide	1.93	76	243544	46.948	ug/l #	94
18) Methyl Acetate	2.47	43	51184	47.131	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	253668	51.652	ug/l	95
20) Methylene Chloride	2.35	84	108506m	50.554	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	110858	48.907	ug/l	99
22) Diisopropyl ether	2.94	45	341576	52.003	ug/l	98
23) Vinyl Acetate	3.35	43	730696	249.599	ug/l	98
24) 1,1-Dichloroethane	3.02	63	217813	54.867	ug/l	99
25) 2-Butanone	4.54	43	186280	249.940	ug/l	98
26) 2,2-Dichloropropane	3.79	77	120584	54.393	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	150953	53.276	ug/l	98
28) Bromochloromethane	3.91	49	103078	57.253	ug/l	96
29) Tetrahydrofuran	4.28	42	75904	221.594	ug/l	98
30) Chloroform	4.05	83	299590	55.860	ug/l	95
31) Cyclohexane	3.88	56	155764	49.158	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	259167	56.382	ug/l	94
36) 1,1-Dichloropropene	4.48	75	187317	51.332	ug/l	98
37) Ethyl Acetate	4.31	43	72767	51.351	ug/l #	100
38) Carbon Tetrachloride	4.19	117	218250	58.113	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	186938	51.080	ug/l	96
40) Benzene	4.83	78	405278	50.436	ug/l	96
41) Methacrylonitrile	4.94	41	38488	43.987	ug/l #	36
42) 1,2-Dichloroethane	5.14	62	179715	53.475	ug/l	99
43) Isopropyl Acetate	7.12	43	79393	47.833	ug/l #	97
44) Trichloroethene	5.69	130	160147	54.253	ug/l	98
45) 1,2-Dichloropropane	6.41	63	95660	52.558	ug/l	95
46) Dibromomethane	6.27	93	81650	54.106	ug/l	96
47) Bromodichloromethane	6.56	83	208410	55.239	ug/l	95
48) Methyl methacrylate	6.88	41	58050	49.490	ug/l	97
49) 1,4-Dioxane	6.87	88	9632	795.764	ug/l #	87
51) 4-Methyl-2-Pentanone	8.41	43	313804	249.507	ug/l	98
52) Toluene	7.78	92	252142	50.864	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	144324	50.577	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	172078	51.814	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	84519	53.708	ug/l	90
56) Ethyl methacrylate	8.76	69	83827	50.463	ug/l	95
57) 1,3-Dichloropropane	9.00	76	126242	53.109	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	111463	223.185	ug/l	100
59) 2-Hexanone	9.62	43	209301	240.624	ug/l	97
60) Dibromochloromethane	8.86	129	142387	55.322	ug/l	99
61) 1,2-Dibromoethane	9.14	107	95934	51.869	ug/l	99
64) Tetrachloroethene	8.31	164	148689	50.710	ug/l	99
65) Chlorobenzene	9.94	112	320468	53.626	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	162103	53.771	ug/l	96
67) Ethyl Benzene	10.04	91	544597	52.043	ug/l	98
68) m/p-Xylenes	10.26	106	404854	104.858	ug/l	99
69) o-Xylene	10.83	106	223436	53.555	ug/l	99
70) Styrene	10.89	104	320657	51.283	ug/l	98
71) Bromoform	10.88	173	80190	48.553	ug/l	95
73) Isopropylbenzene	11.22	105	696843	53.679	ug/l	100
74) N-amyl acetate	11.45	43	133257	47.814	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	102028	50.196	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	75985	48.999	ug/l #	100
77) Bromobenzene	11.58	156	180458	52.967	ug/l	99
78) n-propylbenzene	11.67	91	717312	51.900	ug/l	100
79) 2-Chlorotoluene	11.80	91	445856	51.879	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	600272	52.756	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	24750m	42.460	ug/l	
82) 4-Chlorotoluene	11.97	91	446944	52.655	ug/l	100
83) tert-Butylbenzene	12.20	119	615862	51.502	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	580503	52.133	ug/l	99
85) sec-Butylbenzene	12.37	105	766326	52.650	ug/l	99
86) p-Isopropyltoluene	12.52	119	711124	52.586	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	322562	51.839	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	317961	52.944	ug/l	99
89) n-Butylbenzene	12.90	91	633878	52.686	ug/l	99
90) Hexachloroethane	12.97	117	174409	51.653	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	308671	51.251	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	23092	50.711	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	286465	53.028	ug/l	99
94) Hexachlorobutadiene	14.23	225	219722	54.571	ug/l	97
95) Naphthalene	14.49	128	433317	53.354	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	279727	53.449	ug/l	98

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

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