

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062819.D
 Acq On : 31 May 2019 20:02
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00q/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:45:27 AM

Quant Time: Jun 01 01:46:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	768030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1304274	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.93	117	1048716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	533840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	311744	58.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.40%	
35) Dibromofluoromethane	4.33	113	559060	56.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.44%	
50) Toluene-d8	7.73	98	1368676	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
62) 4-Bromofluorobenzene	11.51	95	509152	56.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	455163	52.601	ug/l	98
3) Chloromethane	1.15	50	419699	52.813	ug/l	98
4) Vinyl Chloride	1.18	62	394399	49.943	ug/l	99
5) Bromomethane	1.39	94	245817	54.581	ug/l	99
6) Chloroethane	1.45	64	167374	56.687	ug/l	88
7) Trichlorofluoromethane	1.56	101	625928	55.988	ug/l	91
8) Diethyl Ether	1.72	74	112996	51.373	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	386669	55.013	ug/l	98
10) Methyl Iodide	1.99	142	771990	54.778	ug/l	98
11) Tert butyl alcohol	2.70	59	93977	292.095	ug/l	99
12) 1,1-Dichloroethene	1.87	96	362917	56.862	ug/l	95
13) Acrolein	2.10	56	38384	300.284	ug/l	89
14) Allyl chloride	2.21	41	305154m	61.630	ug/l	
15) Acrylonitrile	3.10	53	221926	183.571	ug/l #	95
16) Acetone	2.36	43	293456	241.416	ug/l	93
17) Carbon Disulfide	1.91	76	1043641	55.947	ug/l	96
18) Methyl Acetate	2.47	43	112389	52.909	ug/l	98
19) Methyl tert-butyl Ether	2.56	73	646096	55.875	ug/l	99
20) Methylene Chloride	2.35	84	361515m	59.987	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	378267	59.111	ug/l	98
22) Diisopropyl ether	2.95	45	788557	56.056	ug/l	97
23) Vinyl Acetate	3.36	43	2638878	274.008	ug/l	99
24) 1,1-Dichloroethane	3.03	63	597222	56.860	ug/l	98
25) 2-Butanone	4.55	43	731438	258.388	ug/l	100
26) 2,2-Dichloropropane	3.79	77	339799	56.977	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	591896	55.025	ug/l	95
28) Bromochloromethane	3.92	49	337942	59.150	ug/l	94
29) Tetrahydrofuran	4.28	42	327203	302.213	ug/l	99
30) Chloroform	4.07	83	805422	54.409	ug/l	97
31) Cyclohexane	3.90	56	768477	54.042	ug/l	96
32) 1,1,1-Trichloroethane	4.31	97	540837	62.751	ug/l	96
36) 1,1-Dichloropropene	4.49	75	626474	52.176	ug/l	99
37) Ethyl Acetate	4.33	43	273081	59.497	ug/l	93
38) Carbon Tetrachloride	4.20	117	503443	62.040	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	806142	53.945	ug/l	99
40) Benzene	4.84	78	1824218	52.203	ug/l	97
41) Methacrylonitrile	4.95	41	138872	54.425	ug/l	92
42) 1,2-Dichloroethane	5.15	62	369328	55.569	ug/l	93
43) Isopropyl Acetate	7.13	43	313874	51.767	ug/l	97
44) Trichloroethene	5.70	130	518188	52.543	ug/l	96
45) 1,2-Dichloropropane	6.43	63	486691	55.500	ug/l	99
46) Dibromomethane	6.28	93	279402	54.572	ug/l	98
47) Bromodichloromethane	6.57	83	558403	53.554	ug/l	98
48) Methyl methacrylate	6.89	41	179372	57.403	ug/l	90
49) 1,4-Dioxane	6.89	88	47835	1161.376	ug/l	91
51) 4-Methyl-2-Pentanone	8.42	43	1150239	265.718	ug/l	98
52) Toluene	7.79	92	963089	51.169	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	454079	52.554	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	664936	53.165	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	297407	52.892	ug/l	97
56) Ethyl methacrylate	8.77	69	335485	55.606	ug/l	97
57) 1,3-Dichloropropane	9.01	76	514684	56.051	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	547315	259.568	ug/l	98
59) 2-Hexanone	9.63	43	791297	256.462	ug/l	97
60) Dibromochloromethane	8.87	129	396369	56.937	ug/l	99
61) 1,2-Dibromoethane	9.15	107	309826	53.055	ug/l	94
64) Tetrachloroethene	8.32	164	407795	50.603	ug/l	99
65) Chlorobenzene	9.95	112	1032690	50.991	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	412928	51.196	ug/l	99
67) Ethyl Benzene	10.05	91	1814248	52.203	ug/l	99
68) m/p-Xylenes	10.27	106	1398458	105.155	ug/l	99
69) o-Xylene	10.83	106	677158	50.291	ug/l	99
70) Styrene	10.90	104	1041543	52.480	ug/l	98
71) Bromoform	10.89	173	211646	54.700	ug/l	# 100
73) Isopropylbenzene	11.22	105	1786832	47.970	ug/l	97
74) N-amyl acetate	11.46	43	476577	45.395	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	391648	49.235	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	250760	47.557	ug/l	93
77) Bromobenzene	11.59	156	450072	48.089	ug/l	96
78) n-propylbenzene	11.68	91	2089731	46.463	ug/l	99
79) 2-Chlorotoluene	11.81	91	1189984	46.240	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	1456708	47.820	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	115151m	51.583	ug/l	
82) 4-Chlorotoluene	11.98	91	1233987	48.792	ug/l	99
83) tert-Butylbenzene	12.21	119	1541017	51.054	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1488664	51.543	ug/l	99
85) sec-Butylbenzene	12.37	105	2021361	50.822	ug/l	98
86) p-Isopropyltoluene	12.53	119	1713682	51.764	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	844178	51.144	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	781246	50.717	ug/l	95
89) n-Butylbenzene	12.91	91	1595983	47.925	ug/l	98
90) Hexachloroethane	12.98	117	423264	52.421	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	739298	50.958	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	45756	52.797	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	472728	47.456	µg/l	95
94) Hexachlorobutadiene	14.24	225	337813	49.021	µg/l	97
95) Naphthalene	14.50	128	813076	49.822	µg/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	450464	49.540	µg/l	97

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

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