

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090119\
 Data File : VX012007.D
 Acq On : 01 Sep 2019 22:11
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 2:04:54 AM

Quant Time: Sep 02 05:31:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	344634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	473081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	449602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	278321	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	160423	48.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.16%	
35) Dibromofluoromethane	5.48	113	157135	51.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.60%	
50) Toluene-d8	8.71	98	544257	50.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.14	95	230611	48.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	90528	43.523	ug/l	98
3) Chloromethane	1.31	50	103502	42.924	ug/l	99
4) Vinyl Chloride	1.39	62	104557	45.410	ug/l	99
5) Bromomethane	1.62	94	78729	49.417	ug/l	100
6) Chloroethane	1.71	64	69514	48.509	ug/l	99
7) Trichlorofluoromethane	1.92	101	185133	46.297	ug/l	99
8) Diethyl Ether	2.17	74	65870	47.931	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	120698	46.312	ug/l	96
10) Methyl Iodide	2.50	142	101043	36.576	ug/l	100
11) Tert butyl alcohol	3.03	59	81377	256.170	ug/l	98
12) 1,1-Dichloroethene	2.36	96	115571	47.746	ug/l	98
13) Acrolein	2.28	56	50877	321.782	ug/l	98
14) Allyl chloride	2.72	41	207802	45.766	ug/l	96
15) Acrylonitrile	3.13	53	189156	250.585	ug/l	98
16) Acetone	2.43	43	162495	228.725	ug/l	98
17) Carbon Disulfide	2.56	76	301363	43.406	ug/l	100
18) Methyl Acetate	2.76	43	99319	50.503	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	401002	51.138	ug/l	99
20) Methylene Chloride	2.84	84	149099	49.096	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	141409	49.595	ug/l	100
22) Diisopropyl ether	3.84	45	448098	48.341	ug/l	96
23) Vinyl Acetate	3.80	43	1421849	238.583	ug/l	98
24) 1,1-Dichloroethane	3.68	63	253241	49.542	ug/l	99
25) 2-Butanone	4.65	43	255618	247.039	ug/l	99
26) 2,2-Dichloropropane	4.56	77	200563	46.781	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	173396	51.629	ug/l	97
28) Bromochloromethane	5.00	49	111656	48.680	ug/l	92
29) Tetrahydrofuran	5.11	42	159245	246.571	ug/l	97
30) Chloroform	5.20	83	280342	51.293	ug/l	96
31) Cyclohexane	5.56	56	170510	41.356	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	245973	50.664	ug/l	99
36) 1,1-Dichloropropene	5.79	75	180680	48.208	ug/l	99
37) Ethyl Acetate	4.82	43	112690	50.794	ug/l	99
38) Carbon Tetrachloride	5.77	117	222121	51.100	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	195564	43.807	ug/l	99
40) Benzene	6.13	78	567786	50.752	ug/l	98
41) Methacrylonitrile	5.03	41	67496	51.670	ug/l	99
42) 1,2-Dichloroethane	6.18	62	199142	52.344	ug/l	99
43) Isopropyl Acetate	6.43	43	225427	50.117	ug/l	99
44) Trichloroethene	7.20	130	182487	52.720	ug/l	100
45) 1,2-Dichloropropane	7.51	63	146949	50.216	ug/l	98
46) Dibromomethane	7.65	93	91190	52.507	ug/l	96
47) Bromodichloromethane	7.89	83	225674	52.402	ug/l	99
48) Methyl methacrylate	7.76	41	111617	51.000	ug/l	99
49) 1,4-Dioxane	7.73	88	34279	1139.007	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	584011	255.582	ug/l	99
52) Toluene	8.78	92	380494	51.409	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	224550	50.902	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	246263	49.730	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	132924	52.280	ug/l	98
56) Ethyl methacrylate	9.17	69	182761	51.792	ug/l	97
57) 1,3-Dichloropropane	9.37	76	217979	51.653	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	418970	249.283	ug/l	97
59) 2-Hexanone	9.48	43	417875	257.449	ug/l	99
60) Dibromochloromethane	9.57	129	186395	54.584	ug/l	99
61) 1,2-Dibromoethane	9.67	107	134921	53.523	ug/l	100
64) Tetrachloroethene	9.33	164	202861	56.092	ug/l	99
65) Chlorobenzene	10.14	112	459233	52.709	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	191538	54.363	ug/l	99
67) Ethyl Benzene	10.25	91	760693	51.328	ug/l	100
68) m/p-Xylenes	10.35	106	598373	104.563	ug/l	99
69) o-Xylene	10.70	106	295851	53.053	ug/l	98
70) Styrene	10.71	104	523365	53.246	ug/l	100
71) Bromoform	10.85	173	139149	55.854	ug/l #	100
73) Isopropylbenzene	11.01	105	785491	49.119	ug/l	100
74) N-amyl acetate	10.89	43	222318	46.846	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	160455	49.026	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	140287m	51.240	ug/l	
77) Bromobenzene	11.25	156	241113	51.987	ug/l	96
78) n-propylbenzene	11.35	91	894723	49.339	ug/l	99
79) 2-Chlorotoluene	11.42	91	540886	49.553	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	695851	50.412	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48118	44.152	ug/l	98
82) 4-Chlorotoluene	11.51	91	656856	49.882	ug/l	99
83) tert-Butylbenzene	11.77	119	710448	50.724	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	716160	50.626	ug/l	100
85) sec-Butylbenzene	11.94	105	809396	49.753	ug/l	99
86) p-Isopropyltoluene	12.06	119	800666	50.756	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	453548	52.617	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	453478	52.041	ug/l	99
89) n-Butylbenzene	12.38	91	693274	49.675	ug/l	99
90) Hexachloroethane	12.59	117	154180	50.521	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	424494	52.969	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	33280	51.048	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	373510	55.352	ug/l	99
94) Hexachlorobutadiene	13.77	225	251274	55.758	ug/l	100
95) Naphthalene	13.83	128	613325	52.960	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	333373	54.633	ug/l	99

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

