

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012398.D
 Acq On : 13 Sep 2019 20:33
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:13:10 AM

Quant Time: Sep 14 00:56:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	104165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	181481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	168539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	79335	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	5.48	113	63256	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
50) Toluene-d8	8.71	98	236494	57.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.92%	
62) 4-Bromofluorobenzene	11.14	95	99015	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	40916	48.044	ug/l	99
3) Chloromethane	1.31	50	42059	54.789	ug/l	96
4) Vinyl Chloride	1.40	62	40618	53.364	ug/l	98
5) Bromomethane	1.62	94	21551	71.886	ug/l	98
6) Chloroethane	1.71	64	27976	54.965	ug/l	98
7) Trichlorofluoromethane	1.92	101	73663	53.474	ug/l	97
8) Diethyl Ether	2.18	74	27561	58.633	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	51371	55.331	ug/l	98
10) Methyl Iodide	2.50	142	30412	34.417	ug/l	99
11) Tert butyl alcohol	3.03	59	43009	275.996	ug/l	98
12) 1,1-Dichloroethene	2.36	96	45089	57.204	ug/l	97
13) Acrolein	2.28	56	23045	299.347	ug/l	99
14) Allyl chloride	2.72	41	86538	53.851	ug/l	99
15) Acrylonitrile	3.13	53	92979	319.988	ug/l	98
16) Acetone	2.43	43	88692	254.402	ug/l	95
17) Carbon Disulfide	2.56	76	83536	50.469	ug/l	99
18) Methyl Acetate	2.76	43	46640	63.649	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	184011	59.116	ug/l	99
20) Methylene Chloride	2.84	84	62914	58.279	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	52372	55.692	ug/l	98
22) Diisopropyl ether	3.84	45	210719	57.336	ug/l	# 89
23) Vinyl Acetate	3.80	43	650555	288.513	ug/l	99
24) 1,1-Dichloroethane	3.69	63	113553	57.683	ug/l	100
25) 2-Butanone	4.65	43	130267	292.294	ug/l	97
26) 2,2-Dichloropropane	4.57	77	90129	48.766	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	70100	57.739	ug/l	95
28) Bromochloromethane	5.00	49	54118	58.616	ug/l	100
29) Tetrahydrofuran	5.12	42	77625	322.820	ug/l	100
30) Chloroform	5.20	83	125069	56.341	ug/l	98
31) Cyclohexane	5.56	56	71878	52.563	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	103536	54.318	ug/l	99
36) 1,1-Dichloropropene	5.79	75	71233	53.830	ug/l	97
37) Ethyl Acetate	4.82	43	52664	64.380	ug/l	99
38) Carbon Tetrachloride	5.78	117	84337	54.321	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	78382	53.974	ug/l	94
40) Benzene	6.13	78	233780	58.371	ug/l	98
41) Methacrylonitrile	5.03	41	32758	64.958	ug/l	96
42) 1,2-Dichloroethane	6.18	62	92010	58.126	ug/l	99
43) Isopropyl Acetate	6.43	43	104874	60.810	ug/l	100
44) Trichloroethene	7.20	130	64251	59.278	ug/l	97
45) 1,2-Dichloropropane	7.51	63	65199	58.812	ug/l	98
46) Dibromomethane	7.65	93	37268	61.510	ug/l	97
47) Bromodichloromethane	7.89	83	95308	57.642	ug/l	98
48) Methyl methacrylate	7.76	41	50441	61.103	ug/l	99
49) 1,4-Dioxane	7.73	88	14493	1301.077	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	292905	321.797	ug/l	100
52) Toluene	8.78	92	155185	58.662	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	90782	55.009	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	102271	55.886	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	58832	62.675	ug/l	99
56) Ethyl methacrylate	9.17	69	77787	61.204	ug/l	99
57) 1,3-Dichloropropane	9.37	76	95731	59.712	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	185233	284.363	ug/l	100
59) 2-Hexanone	9.48	43	203661	321.800	ug/l	99
60) Dibromochloromethane	9.57	129	64827	59.158	ug/l	98
61) 1,2-Dibromoethane	9.67	107	54698	62.600	ug/l	98
64) Tetrachloroethene	9.33	164	57742	64.781	ug/l	96
65) Chlorobenzene	10.14	112	182283	59.192	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	69249	59.652	ug/l	98
67) Ethyl Benzene	10.25	91	317542	57.976	ug/l	98
68) m/p-Xylenes	10.36	106	235676	116.891	ug/l	100
69) o-Xylene	10.70	106	115648	58.553	ug/l	99
70) Styrene	10.71	104	209917	59.928	ug/l	99
71) Bromoform	10.85	173	35900	59.637	ug/l #	98
73) Isopropylbenzene	11.01	105	322470	55.654	ug/l	100
74) N-amyl acetate	10.89	43	96887	56.238	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	76438	61.426	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	66639m	58.938	ug/l	
77) Bromobenzene	11.25	156	77186	57.859	ug/l	96
78) n-propylbenzene	11.35	91	383609	54.824	ug/l	99
79) 2-Chlorotoluene	11.42	91	235901	54.417	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	292929	56.217	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	19253	51.020	ug/l	94
82) 4-Chlorotoluene	11.51	91	289542	55.576	ug/l	99
83) tert-Butylbenzene	11.76	119	281020	55.542	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	301152	55.908	ug/l	98
85) sec-Butylbenzene	11.94	105	333616	55.261	ug/l	100
86) p-Isopropyltoluene	12.06	119	318253	57.054	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	158142	58.194	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	158253	57.591	ug/l	100
89) n-Butylbenzene	12.39	91	302746	55.374	ug/l	99
90) Hexachloroethane	12.59	117	54563	53.105	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	149664	59.537	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14641	57.641	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	111208	64.060	ug/l	99
94) Hexachlorobutadiene	13.78	225	56642	65.586	ug/l	98
95) Naphthalene	13.83	128	245642	65.936	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	100887	65.682	ug/l	99

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

