

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090819\
 Data File : VX012212.D
 Acq On : 08 Sep 2019 10:08
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 8:43:16 AM

Quant Time: Sep 09 01:56:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	121060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	212820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	196541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97565	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	88858	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
35) Dibromofluoromethane	5.48	113	71414	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
50) Toluene-d8	8.71	98	259320	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
62) 4-Bromofluorobenzene	11.14	95	114936	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	55591	49.796	ug/l	97
3) Chloromethane	1.31	50	60433	52.858	ug/l	96
4) Vinyl Chloride	1.39	62	57952	53.876	ug/l	97
5) Bromomethane	1.62	94	30846	57.807	ug/l	100
6) Chloroethane	1.71	64	36856	55.116	ug/l	99
7) Trichlorofluoromethane	1.92	101	94485	56.554	ug/l	99
8) Diethyl Ether	2.17	74	32188	55.751	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	65309	52.777	ug/l #	85
10) Methyl Iodide	2.50	142	52601	43.105	ug/l	93
11) Tert butyl alcohol	3.03	59	35116	218.871	ug/l	95
12) 1,1-Dichloroethene	2.36	96	61689	51.750	ug/l	87
13) Acrolein	2.28	56	8945	218.036	ug/l	98
14) Allyl chloride	2.71	41	115704	53.641	ug/l	97
15) Acrylonitrile	3.12	53	91367	251.839	ug/l	99
16) Acetone	2.43	43	119582	299.510	ug/l	97
17) Carbon Disulfide	2.56	76	175165	50.279	ug/l	99
18) Methyl Acetate	2.76	43	45504	48.380	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	197936	51.003	ug/l	99
20) Methylene Chloride	2.84	84	74440	46.430	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	72202	51.614	ug/l	91
22) Diisopropyl ether	3.84	45	234547	53.348	ug/l	97
23) Vinyl Acetate	3.80	43	769023	270.395	ug/l	97
24) 1,1-Dichloroethane	3.68	63	133364	52.302	ug/l	98
25) 2-Butanone	4.65	43	138842	273.189	ug/l	95
26) 2,2-Dichloropropane	4.56	77	129331	54.937	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	84211	51.356	ug/l	89
28) Bromochloromethane	5.00	49	51186	50.288	ug/l #	79
29) Tetrahydrofuran	5.11	42	77424	252.849	ug/l	98
30) Chloroform	5.19	83	143972	52.620	ug/l	100
31) Cyclohexane	5.57	56	102997	50.294	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	129255	54.241	ug/l	97
36) 1,1-Dichloropropene	5.78	75	103936	55.450	ug/l	94
37) Ethyl Acetate	4.81	43	56170	55.108	ug/l	99
38) Carbon Tetrachloride	5.77	117	110330	55.860	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	111721	51.355	ug/l	92
40) Benzene	6.13	78	292954	54.442	ug/l	99
41) Methacrylonitrile	5.02	41	32553	53.554	ug/l	97
42) 1,2-Dichloroethane	6.18	62	111302	57.477	ug/l	96
43) Isopropyl Acetate	6.43	43	113227	54.632	ug/l	98
44) Trichloroethene	7.20	130	78994	54.427	ug/l	84
45) 1,2-Dichloropropane	7.50	63	74320	53.457	ug/l	98
46) Dibromomethane	7.65	93	43237	53.275	ug/l #	74
47) Bromodichloromethane	7.89	83	111244	53.925	ug/l	98
48) Methyl methacrylate	7.76	41	55626	53.379	ug/l	94
49) 1,4-Dioxane	7.73	88	13297	936.015	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	285215	270.557	ug/l	97
52) Toluene	8.78	92	190605	54.440	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	113050	52.932	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	128731	54.202	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	61471	52.978	ug/l	97
56) Ethyl methacrylate	9.17	69	86060	51.781	ug/l	93
57) 1,3-Dichloropropane	9.37	76	108201	54.041	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	169522	226.244	ug/l	93
59) 2-Hexanone	9.48	43	213349	277.362	ug/l	96
60) Dibromochloromethane	9.57	129	73644	53.255	ug/l	99
61) 1,2-Dibromoethane	9.67	107	59703	53.250	ug/l	97
64) Tetrachloroethene	9.33	164	65269	53.267	ug/l #	88
65) Chlorobenzene	10.14	112	206762	53.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	77151	54.411	ug/l	98
67) Ethyl Benzene	10.25	91	380864	53.881	ug/l	95
68) m/p-Xylenes	10.35	106	278857	107.073	ug/l	90
69) o-Xylene	10.70	106	133013	52.670	ug/l	90
70) Styrene	10.71	104	236508	53.918	ug/l	95
71) Bromoform	10.85	173	39352	50.529	ug/l #	97
73) Isopropylbenzene	11.01	105	372924	52.095	ug/l	96
74) N-amyl acetate	10.89	43	107366	50.727	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	73236	49.074	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	57154m	47.944	ug/l	
77) Bromobenzene	11.25	156	85194	53.213	ug/l	71
78) n-propylbenzene	11.35	91	443674	51.302	ug/l	94
79) 2-Chlorotoluene	11.42	91	274436	52.379	ug/l	88
80) 1,3,5-Trimethylbenzene	11.50	105	330720	52.719	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	22702	45.022	ug/l	91
82) 4-Chlorotoluene	11.51	91	323172	51.750	ug/l	92
83) tert-Butylbenzene	11.77	119	319648	53.460	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	338471	52.496	ug/l	94
85) sec-Butylbenzene	11.94	105	386329	52.019	ug/l	94
86) p-Isopropyltoluene	12.06	119	354568	52.497	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	170799	53.240	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	168373	52.489	ug/l	94
89) n-Butylbenzene	12.38	91	345471	52.656	ug/l	96
90) Hexachloroethane	12.59	117	66037	48.968	ug/l	57
91) 1,2-Dichlorobenzene	12.38	146	149594	51.775	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14518	46.489	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	105891	51.491	ug/l	97
94) Hexachlorobutadiene	13.78	225	57269	55.244	ug/l	96
95) Naphthalene	13.83	128	220752	49.598	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	91394	50.515	ug/l	95

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

