

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012248.D
 Acq On : 10 Sep 2019 10:28
 Operator : SY/SP
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:30 AM

Quant Time: Sep 10 11:07:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 11:00:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	154578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	277396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	127308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	111944	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	5.48	113	88307	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	8.71	98	326090	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.13	95	141015	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	59036	47.775	ug/l	100
3) Chloromethane	1.31	50	54906	46.103	ug/l	98
4) Vinyl Chloride	1.40	62	53885	47.244	ug/l	100
5) Bromomethane	1.62	94	24813	60.004	ug/l	99
6) Chloroethane	1.71	64	36465	50.927	ug/l	98
7) Trichlorofluoromethane	1.92	101	100289	51.691	ug/l	97
8) Diethyl Ether	2.17	74	35883	41.617	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	71623	49.556	ug/l	100
10) Methyl Iodide	2.50	142	70125	49.403	ug/l	99
11) Tert butyl alcohol	3.03	59	57793	270.021	ug/l	94
12) 1,1-Dichloroethene	2.36	96	59929	49.231	ug/l	100
13) Acrolein	2.28	56	28285	217.986	ug/l	98
14) Allyl chloride	2.72	41	123358	49.104	ug/l	100
15) Acrylonitrile	3.13	53	113074	237.297	ug/l	100
16) Acetone	2.43	43	125468	257.886	ug/l	98
17) Carbon Disulfide	2.56	76	123285	49.211	ug/l	98
18) Methyl Acetate	2.76	43	55447	44.850	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	245545	49.037	ug/l	97
20) Methylene Chloride	2.84	84	81852	40.094	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	70911	48.126	ug/l	94
22) Diisopropyl ether	3.84	45	284949	48.650	ug/l	96
23) Vinyl Acetate	3.80	43	899776	251.632	ug/l	100
24) 1,1-Dichloroethane	3.69	63	151145	48.345	ug/l	98
25) 2-Butanone	4.65	43	167101	250.520	ug/l	98
26) 2,2-Dichloropropane	4.57	77	142007	48.977	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	92576	47.688	ug/l	99
28) Bromochloromethane	5.00	49	73842	51.497	ug/l	99
29) Tetrahydrofuran	5.11	42	95009	234.859	ug/l	99
30) Chloroform	5.20	83	168791	47.185	ug/l	100
31) Cyclohexane	5.57	56	103226	49.095	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	144788	48.869	ug/l	99
36) 1,1-Dichloropropene	5.79	75	104164	48.805	ug/l	98
37) Ethyl Acetate	4.81	43	67360	47.783	ug/l	99
38) Carbon Tetrachloride	5.77	117	121397	49.664	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	112795	50.224	ug/l	97
40) Benzene	6.13	78	313582	48.427	ug/l	99
41) Methacrylonitrile	5.03	41	40866	46.965	ug/l	96
42) 1,2-Dichloroethane	6.18	62	125401	47.923	ug/l	99
43) Isopropyl Acetate	6.43	43	139814	47.904	ug/l	99
44) Trichloroethene	7.20	130	83812	47.993	ug/l	98
45) 1,2-Dichloropropane	7.51	63	86852	47.519	ug/l	100
46) Dibromomethane	7.65	93	49054	47.189	ug/l	98
47) Bromodichloromethane	7.89	83	134456	48.326	ug/l	98
48) Methyl methacrylate	7.76	41	67344	48.017	ug/l	100
49) 1,4-Dioxane	7.73	88	16969	862.036	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	363772	239.557	ug/l	100
52) Toluene	8.78	92	207855	48.329	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	133512	48.132	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	145895	48.209	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	74609	47.290	ug/l	98
56) Ethyl methacrylate	9.17	69	103894	47.104	ug/l	99
57) 1,3-Dichloropropane	9.37	76	127782	47.383	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	267669	255.560	ug/l	99
59) 2-Hexanone	9.48	43	260164	241.140	ug/l	99
60) Dibromochloromethane	9.57	129	91491	48.892	ug/l	98
61) 1,2-Dibromoethane	9.67	107	68777	46.754	ug/l	100
64) Tetrachloroethene	9.33	164	67772	47.455	ug/l	99
65) Chlorobenzene	10.14	112	238463	46.527	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	93453	47.619	ug/l	98
67) Ethyl Benzene	10.25	91	423375	47.095	ug/l	97
68) m/p-Xylenes	10.36	106	315408	95.128	ug/l	96
69) o-Xylene	10.70	106	154785	47.847	ug/l	99
70) Styrene	10.71	104	276987	47.615	ug/l	99
71) Bromoform	10.85	173	49491	48.367	ug/l #	99
73) Isopropylbenzene	11.01	105	424063	46.473	ug/l	99
74) N-amyl acetate	10.89	43	131454	45.017	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	93393	45.536	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	85672m	48.160	ug/l	
77) Bromobenzene	11.25	156	98998	45.388	ug/l	99
78) n-propylbenzene	11.35	91	524295	47.740	ug/l	100
79) 2-Chlorotoluene	11.42	91	318589	46.476	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	382337	46.291	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	29119	45.210	ug/l	96
82) 4-Chlorotoluene	11.51	91	387557	46.188	ug/l	98
83) tert-Butylbenzene	11.77	119	377175	47.101	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	394154	46.140	ug/l	98
85) sec-Butylbenzene	11.94	105	441342	46.888	ug/l	99
86) p-Isopropyltoluene	12.06	119	415786	47.643	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	200160	46.275	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	198566	45.778	ug/l	100
89) n-Butylbenzene	12.39	91	406647	48.571	ug/l	99
90) Hexachloroethane	12.59	117	78209	48.867	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	185225	45.763	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	18778	46.186	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	130615	48.802	ug/l	100
94) Hexachlorobutadiene	13.78	225	63718	49.211	ug/l	97
95) Naphthalene	13.83	128	281548	47.909	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	114375	48.870	ug/l	98

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

