

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012266.D
 Acq On : 10 Sep 2019 20:11
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:52 AM

Quant Time: Sep 11 02:24:42 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	135078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	253407	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	113038	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	101602	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
35) Dibromofluoromethane	5.48	113	79492	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	8.71	98	295371	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	11.14	95	128838	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	50171	45.430	ug/l	97
3) Chloromethane	1.31	50	47647	47.863	ug/l	96
4) Vinyl Chloride	1.39	62	46929	47.545	ug/l	96
5) Bromomethane	1.62	94	28496	73.399	ug/l	99
6) Chloroethane	1.71	64	30465	46.157	ug/l	99
7) Trichlorofluoromethane	1.92	101	82751	46.324	ug/l	97
8) Diethyl Ether	2.17	74	32487	53.296	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	60504	50.254	ug/l	99
10) Methyl Iodide	2.50	142	46327	40.429	ug/l	100
11) Tert butyl alcohol	3.03	59	49498	243.865	ug/l	100
12) 1,1-Dichloroethene	2.36	96	50750	49.651	ug/l	98
13) Acrolein	2.28	56	19357	193.898	ug/l	97
14) Allyl chloride	2.72	41	104078	49.944	ug/l	99
15) Acrylonitrile	3.13	53	100370	266.373	ug/l	99
16) Acetone	2.43	43	96156	212.691	ug/l	100
17) Carbon Disulfide	2.56	76	103272	48.114	ug/l	99
18) Methyl Acetate	2.76	43	50609	53.259	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	214775	53.208	ug/l	98
20) Methylene Chloride	2.84	84	72551	51.518	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	60341	49.481	ug/l	97
22) Diisopropyl ether	3.84	45	249273	52.304	ug/l	92
23) Vinyl Acetate	3.80	43	769751	263.250	ug/l	99
24) 1,1-Dichloroethane	3.69	63	132101	51.748	ug/l	98
25) 2-Butanone	4.65	43	142047	245.784	ug/l	99
26) 2,2-Dichloropropane	4.57	77	110133	45.952	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	81216	51.586	ug/l	100
28) Bromochloromethane	5.00	49	63017	52.635	ug/l	100
29) Tetrahydrofuran	5.11	42	86168	276.339	ug/l	99
30) Chloroform	5.20	83	147037	51.079	ug/l	99
31) Cyclohexane	5.57	56	84740	47.787	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	121441	49.131	ug/l	98
36) 1,1-Dichloropropene	5.78	75	86741	46.944	ug/l	99
37) Ethyl Acetate	4.81	43	60140	52.652	ug/l	98
38) Carbon Tetrachloride	5.77	117	100982	46.580	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	94243	46.476	ug/l	96
40) Benzene	6.13	78	273413	48.891	ug/l	97
41) Methacrylonitrile	5.03	41	37828	53.721	ug/l	95
42) 1,2-Dichloroethane	6.18	62	110427	49.960	ug/l	99
43) Isopropyl Acetate	6.43	43	123529	51.296	ug/l	99
44) Trichloroethene	7.20	130	72886	48.159	ug/l	100
45) 1,2-Dichloropropane	7.51	63	76536	49.443	ug/l	97
46) Dibromomethane	7.65	93	43718	51.675	ug/l	100
47) Bromodichloromethane	7.89	83	115488	50.021	ug/l	98
48) Methyl methacrylate	7.76	41	59729	51.818	ug/l	99
49) 1,4-Dioxane	7.73	88	15422	991.512	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	320361	252.062	ug/l	100
52) Toluene	8.78	92	179060	48.475	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	111853	48.539	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	123583	48.364	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	66722	50.906	ug/l	99
56) Ethyl methacrylate	9.17	69	91862	51.764	ug/l	100
57) 1,3-Dichloropropane	9.37	76	113431	50.671	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	236276	259.769	ug/l	100
59) 2-Hexanone	9.48	43	221115	250.213	ug/l	99
60) Dibromochloromethane	9.57	129	79920	52.231	ug/l	99
61) 1,2-Dibromoethane	9.67	107	60786	49.822	ug/l	100
64) Tetrachloroethene	9.33	164	61317	49.512	ug/l	98
65) Chlorobenzene	10.14	112	206341	48.226	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	80581	49.960	ug/l	99
67) Ethyl Benzene	10.24	91	364742	47.930	ug/l	97
68) m/p-Xylenes	10.35	106	270759	96.655	ug/l	100
69) o-Xylene	10.70	106	133824	48.766	ug/l	100
70) Styrene	10.71	104	239330	49.176	ug/l	99
71) Bromoform	10.85	173	43048	51.470	ug/l #	98
73) Isopropylbenzene	11.01	105	368259	49.487	ug/l	98
74) N-amyl acetate	10.89	43	112216	50.716	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	84031	52.578	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	74277m	51.150	ug/l	
77) Bromobenzene	11.25	156	87364	50.991	ug/l	99
78) n-propylbenzene	11.35	91	441500	49.129	ug/l	100
79) 2-Chlorotoluene	11.42	91	277543	49.850	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	331800	49.580	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	24327	50.194	ug/l	95
82) 4-Chlorotoluene	11.51	91	333802	49.888	ug/l	99
83) tert-Butylbenzene	11.77	119	317927	48.926	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	343800	49.696	ug/l	99
85) sec-Butylbenzene	11.94	105	373050	48.114	ug/l	100
86) p-Isopropyltoluene	12.06	119	346792	48.407	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	172433	49.406	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	173234	49.086	ug/l	98
89) n-Butylbenzene	12.38	91	336018	47.854	ug/l	100
90) Hexachloroethane	12.59	117	66030	50.039	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	160039	49.570	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16345	50.104	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	105714	47.414	ug/l	99
94) Hexachlorobutadiene	13.78	225	51217	46.176	ug/l	98
95) Naphthalene	13.83	128	240235	50.209	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	96194	48.762	ug/l	99

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

