

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090319\
 Data File : VX012021.D
 Acq On : 03 Sep 2019 14:07
 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

sam
 9/4/2019 4:45:47 PM

Quant Time: Sep 03 14:36:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 12:11:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	148196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272705	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	100490	76.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	153.46%	
35) Dibromofluoromethane	5.48	113	82589	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
50) Toluene-d8	8.71	98	311352	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.14	95	135631	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	62859	70.273	ug/l	97
3) Chloromethane	1.31	50	65942	74.174	ug/l	99
4) Vinyl Chloride	1.40	62	62651	69.377	ug/l	96
5) Bromomethane	1.62	94	30671	47.903	ug/l	96
6) Chloroethane	1.71	64	38539	67.473	ug/l	100
7) Trichlorofluoromethane	1.92	101	97277	59.341	ug/l	100
8) Diethyl Ether	2.17	74	34194	68.599	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72151	69.113	ug/l #	82
10) Methyl Iodide	2.50	142	66573	63.832	ug/l	96
11) Tert butyl alcohol	3.03	59	43757	404.454	ug/l	96
12) 1,1-Dichloroethene	2.36	96	70008	73.497	ug/l	95
13) Acrolein	2.28	56	11813	298.245	ug/l	98
14) Allyl chloride	2.72	41	127909	78.353	ug/l	98
15) Acrylonitrile	3.13	53	104242	408.757	ug/l	99
16) Acetone	2.43	43	115384	448.927	ug/l	99
17) Carbon Disulfide	2.56	76	221025	82.248	ug/l	100
18) Methyl Acetate	2.76	43	51449	77.247	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	224805	79.168	ug/l	99
20) Methylene Chloride	2.84	84	87106	75.032	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	83673	73.898	ug/l	98
22) Diisopropyl ether	3.84	45	252033	76.769	ug/l	96
23) Vinyl Acetate	3.80	43	857831	415.567	ug/l	99
24) 1,1-Dichloroethane	3.68	63	147037	76.798	ug/l	99
25) 2-Butanone	4.65	43	149910	428.135	ug/l	99
26) 2,2-Dichloropropane	4.56	77	134714	75.855	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	95216	73.193	ug/l	93
28) Bromochloromethane	5.00	49	61511	78.172	ug/l	82
29) Tetrahydrofuran	5.11	42	88270	409.906	ug/l	98
30) Chloroform	5.20	83	156516	74.478	ug/l	95
31) Cyclohexane	5.56	56	118620	74.368	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	139324	71.260	ug/l	97
36) 1,1-Dichloropropene	5.79	75	115539	55.369	ug/l	96
37) Ethyl Acetate	4.82	43	63495	60.785	ug/l	99
38) Carbon Tetrachloride	5.77	117	118612	46.744	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	130615	51.550	ug/l	97
40) Benzene	6.13	78	330494	54.838	ug/l	100
41) Methacrylonitrile	5.03	41	37051	58.854	ug/l	99
42) 1,2-Dichloroethane	6.18	62	118395	57.990	ug/l	98
43) Isopropyl Acetate	6.43	43	126144	58.422	ug/l	99
44) Trichloroethene	7.21	130	88271	44.099	ug/l	89
45) 1,2-Dichloropropane	7.51	63	83956	55.360	ug/l	99
46) Dibromomethane	7.65	93	49142	54.059	ug/l #	74
47) Bromodichloromethane	7.89	83	126119	54.959	ug/l #	99
48) Methyl methacrylate	7.76	41	63917	60.032	ug/l	98
49) 1,4-Dioxane	7.73	88	16639	1113.939	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	319998	294.886	ug/l	99
52) Toluene	8.78	92	213936	52.391	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	129805	55.880	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	144189	55.146	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	70313	52.984	ug/l	98
56) Ethyl methacrylate	9.17	69	101088	57.360	ug/l	97
57) 1,3-Dichloropropane	9.37	76	120979	55.509	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	237865	297.010	ug/l	93
59) 2-Hexanone	9.48	43	231391	299.533	ug/l	100
60) Dibromochloromethane	9.57	129	83467	45.245	ug/l	99
61) 1,2-Dibromoethane	9.67	107	68267	51.647	ug/l	98
64) Tetrachloroethene	9.33	164	72704	35.951	ug/l #	86
65) Chlorobenzene	10.14	112	230146	49.616	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	83079	44.632	ug/l	98
67) Ethyl Benzene	10.25	91	422689	53.939	ug/l	96
68) m/p-Xylenes	10.35	106	313631	101.922	ug/l	92
69) o-Xylene	10.70	106	150519	50.425	ug/l	91
70) Styrene	10.71	104	267049	52.143	ug/l	96
71) Bromoform	10.85	173	46776	36.217	ug/l #	98
73) Isopropylbenzene	11.01	105	411088	62.378	ug/l	96
74) N-amyl acetate	10.89	43	121228	73.771	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	84227	69.811	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	66351m	70.977	ug/l	
77) Bromobenzene	11.25	156	92571	48.042	ug/l	69
78) n-propylbenzene	11.35	91	492567	66.419	ug/l	94
79) 2-Chlorotoluene	11.42	91	293482	66.845	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	356553	62.719	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	28235	71.251	ug/l	98
82) 4-Chlorotoluene	11.51	91	360467	68.423	ug/l	90
83) tert-Butylbenzene	11.77	119	337236	57.390	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	368075	63.888	ug/l	94
85) sec-Butylbenzene	11.94	105	421754	62.485	ug/l	93
86) p-Isopropyltoluene	12.06	119	380153	57.525	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	178586	49.419	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	180278	50.211	ug/l	95
89) n-Butylbenzene	12.39	91	371273	64.871	ug/l	96
90) Hexachloroethane	12.59	117	74355	59.929	ug/l	58
91) 1,2-Dichlorobenzene	12.39	146	163930	50.248	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	18068	76.273	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	114966	40.500	ug/l	96
94) Hexachlorobutadiene	13.78	225	57575	29.030	ug/l	96
95) Naphthalene	13.83	128	256821	58.840	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	102647	41.125	ug/l	95

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

