

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090219\
 Data File : VX012015.D
 Acq On : 02 Sep 2019 14:42
 Operator : SY/SP
 Sample : VSTDIC150
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

sam
 9/3/2019 2:15:55 PM

Quant Time: Sep 03 05:02:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 04:42:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	400483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	526589	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	501018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	305033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	492125	129.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.78%	
35) Dibromofluoromethane	5.48	113	487049	143.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.48%	
50) Toluene-d8	8.71	98	1750334	143.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.98%	
62) 4-Bromofluorobenzene	11.14	95	717783	135.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	361693	148.586	ug/l	97
3) Chloromethane	1.31	50	385142	140.463	ug/l	99
4) Vinyl Chloride	1.40	62	389745	147.291	ug/l	98
5) Bromomethane	1.62	94	248761	135.390	ug/l	100
6) Chloroethane	1.70	64	244012	148.379	ug/l	99
7) Trichlorofluoromethane	1.91	101	683611	147.955	ug/l	100
8) Diethyl Ether	2.17	74	207818	132.999	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	438787	145.992	ug/l	100
10) Methyl Iodide	2.50	142	550521	196.601	ug/l	99
11) Tert butyl alcohol	3.04	59	214889	601.998	ug/l	98
12) 1,1-Dichloroethene	2.36	96	408246	146.754	ug/l	98
13) Acrolein	2.28	56	68999	400.312	ug/l	93
14) Allyl chloride	2.71	41	687172	134.069	ug/l	99
15) Acrylonitrile	3.13	53	526339	622.895	ug/l	100
16) Acetone	2.44	43	478028	592.431	ug/l	98
17) Carbon Disulfide	2.55	76	1241198	155.152	ug/l	100
18) Methyl Acetate	2.76	43	265845	120.583	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1178847	132.817	ug/l	100
20) Methylene Chloride	2.84	84	464009	116.203	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	477389	146.015	ug/l	98
22) Diisopropyl ether	3.84	45	1359577	130.353	ug/l	93
23) Vinyl Acetate	3.80	43	4334173	647.302	ug/l	99
24) 1,1-Dichloroethane	3.68	63	793268	136.913	ug/l	99
25) 2-Butanone	4.66	43	718442	619.456	ug/l	99
26) 2,2-Dichloropropane	4.57	77	705177	142.839	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	545895	142.529	ug/l	100
28) Bromochloromethane	5.00	49	296205	115.976	ug/l	98
29) Tetrahydrofuran	5.11	42	450559	622.692	ug/l	99
30) Chloroform	5.20	83	864219	138.987	ug/l	100
31) Cyclohexane	5.56	56	658851	139.114	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	813482	145.920	ug/l	99
36) 1,1-Dichloropropene	5.79	75	635013	152.343	ug/l	100
37) Ethyl Acetate	4.82	43	320866	133.609	ug/l	99
38) Carbon Tetrachloride	5.77	117	778555	159.867	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	763760	152.934	ug/l	99
40) Benzene	6.13	78	1823648	148.016	ug/l	99
41) Methacrylonitrile	5.03	41	192040	135.299	ug/l	97
42) 1,2-Dichloroethane	6.18	62	607738	145.296	ug/l	100
43) Isopropyl Acetate	6.44	43	656942	134.613	ug/l	100
44) Trichloroethene	7.20	130	603504	156.196	ug/l	98
45) 1,2-Dichloropropane	7.51	63	452383	141.166	ug/l	99
46) Dibromomethane	7.65	93	275919	144.428	ug/l	99
47) Bromodichloromethane	7.89	83	696651	147.297	ug/l	98
48) Methyl methacrylate	7.76	41	329640	138.828	ug/l	99
49) 1,4-Dioxane	7.73	88	90832	2796.818	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1634662	660.615	ug/l	100
52) Toluene	8.78	92	1238418	151.290	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	712079	147.029	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	794581	146.175	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	396196	141.750	ug/l	99
56) Ethyl methacrylate	9.17	69	548267	142.347	ug/l	100
57) 1,3-Dichloropropane	9.37	76	648223	140.011	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	1166320	645.946	ug/l	99
59) 2-Hexanone	9.49	43	1171106	665.777	ug/l	100
60) Dibromochloromethane	9.57	129	573131	152.291	ug/l	99
61) 1,2-Dibromoethane	9.67	107	407532	147.049	ug/l	99
64) Tetrachloroethene	9.33	164	618098	152.790	ug/l	97
65) Chlorobenzene	10.14	112	1442432	149.309	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	594043	152.381	ug/l	99
67) Ethyl Benzene	10.25	91	2431318	148.148	ug/l	99
68) m/p-Xylenes	10.36	106	1917279	302.118	ug/l	97
69) o-Xylene	10.70	106	933024	151.088	ug/l	99
70) Styrene	10.71	104	1638623	151.188	ug/l	99
71) Bromoform	10.85	173	427270	155.045	ug/l #	99
73) Isopropylbenzene	11.01	105	2523283	144.184	ug/l	99
74) N-amyl acetate	10.89	43	661340	130.285	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	469129	133.267	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	335778m	116.284	ug/l	
77) Bromobenzene	11.25	156	757076	149.113	ug/l	99
78) n-propylbenzene	11.35	91	2827714	142.999	ug/l	99
79) 2-Chlorotoluene	11.42	91	1694494	142.746	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	2202137	146.424	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	157868	134.618	ug/l	98
82) 4-Chlorotoluene	11.51	91	2013536	140.758	ug/l	98
83) tert-Butylbenzene	11.77	119	2293725	149.473	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	2239193	145.268	ug/l	99
85) sec-Butylbenzene	11.94	105	2597103	146.203	ug/l	99
86) p-Isopropyltoluene	12.06	119	2589145	150.160	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	1411952	150.093	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	1402158	147.520	ug/l	99
89) n-Butylbenzene	12.39	91	2222736	146.069	ug/l	100
90) Hexachloroethane	12.59	117	497897	149.405	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	1294056	148.129	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	93016	132.737	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	1125874	152.551	ug/l	99
94) Hexachlorobutadiene	13.78	225	786191	157.992	ug/l	99
95) Naphthalene	13.83	128	1715635	137.799	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	973546	146.363	ug/l	99

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

