

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\
 Data File : VX011568.D
 Acq On : 15 Aug 2019 19:37
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:29:39 AM

Quant Time: Aug 16 04:14:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:09:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	393725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	541592	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	498565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	291007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	502713	137.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.36%	
35) Dibromofluoromethane	5.49	113	487876	137.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.46%	
50) Toluene-d8	8.71	98	1558850	141.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.46%	
62) 4-Bromofluorobenzene	11.13	95	680605	146.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	637072	164.614	ug/l	100
3) Chloromethane	1.32	50	567378	141.153	ug/l	99
4) Vinyl Chloride	1.40	62	556886	153.368	ug/l	98
5) Bromomethane	1.63	94	236725	145.500	ug/l	98
6) Chloroethane	1.70	64	206754	115.728	ug/l	96
7) Trichlorofluoromethane	1.91	101	743997	147.930	ug/l	99
8) Diethyl Ether	2.18	74	252068	146.106	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	502641	144.694	ug/l	99
10) Methyl Iodide	2.50	142	803462	162.360	ug/l	99
11) Tert butyl alcohol	3.06	59	729281	814.144	ug/l	98
12) 1,1-Dichloroethene	2.35	96	500061	148.955	ug/l	98
13) Acrolein	2.29	56	221697	748.367	ug/l	98
14) Allyl chloride	2.71	41	848197	151.883	ug/l	100
15) Acrylonitrile	3.14	53	1556838	759.382	ug/l	100
16) Acetone	2.45	43	1331517	725.254	ug/l	99
17) Carbon Disulfide	2.56	76	1240621	156.830	ug/l	100
18) Methyl Acetate	2.77	43	875752	153.806	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	1671498	152.876	ug/l	99
20) Methylene Chloride	2.84	84	551792	143.144	ug/l	100
21) trans-1,2-Dichloroethene	3.15	96	527264	148.209	ug/l	98
22) Diisopropyl ether	3.85	45	1668295	150.005	ug/l	99
23) Vinyl Acetate	3.81	43	6851274	777.945	ug/l	100
24) 1,1-Dichloroethane	3.68	63	931039	148.066	ug/l	99
25) 2-Butanone	4.67	43	2192941	760.841	ug/l	97
26) 2,2-Dichloropropane	4.57	77	722158	152.592	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	617867	148.981	ug/l	100
28) Bromochloromethane	5.01	49	384573	139.321	ug/l	99
29) Tetrahydrofuran	5.12	42	1433098	757.981	ug/l	99
30) Chloroform	5.21	83	967252	145.757	ug/l	100
31) Cyclohexane	5.57	56	828065	152.951	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	885503	155.187	ug/l	100
36) 1,1-Dichloropropene	5.79	75	714422	154.285	ug/l	99
37) Ethyl Acetate	4.83	43	822035	154.344	ug/l	100
38) Carbon Tetrachloride	5.77	117	803790	157.556	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	888409	155.360	ug/l	100
40) Benzene	6.13	78	2132841	148.218	ug/l	99
41) Methacrylonitrile	5.04	41	467551	159.504	ug/l	98
42) 1,2-Dichloroethane	6.18	62	745246	149.481	ug/l	100
43) Isopropyl Acetate	6.44	43	1310967	157.722	ug/l	100
44) Trichloroethene	7.21	130	651792	152.689	ug/l	100
45) 1,2-Dichloropropane	7.51	63	550752	153.468	ug/l	97
46) Dibromomethane	7.66	93	389962	149.533	ug/l	98
47) Bromodichloromethane	7.90	83	761202	158.969	ug/l	99
48) Methyl methacrylate	7.77	41	662919	161.053	ug/l	100
49) 1,4-Dioxane	7.74	88	348836	3186.297	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	4242667	779.837	ug/l	99
52) Toluene	8.78	92	1378034	150.316	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	853369	171.719	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	910924	167.494	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	578362	148.354	ug/l	100
56) Ethyl methacrylate	9.18	69	949181	167.515	ug/l	99
57) 1,3-Dichloropropane	9.37	76	923651	149.048	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	2206740	781.621	ug/l	99
59) 2-Hexanone	9.49	43	3377625	805.071	ug/l	99
60) Dibromochloromethane	9.58	129	697796	171.793	ug/l	98
61) 1,2-Dibromoethane	9.67	107	637952	153.329	ug/l	99
64) Tetrachloroethene	9.34	164	607254	148.450	ug/l	98
65) Chlorobenzene	10.13	112	1578500	148.440	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	636832	160.225	ug/l	99
67) Ethyl Benzene	10.25	91	2692501	151.716	ug/l	99
68) m/p-Xylenes	10.36	106	2087193	306.389	ug/l	100
69) o-Xylene	10.69	106	1028054	154.066	ug/l	98
70) Styrene	10.71	104	1800245	160.261	ug/l	100
71) Bromoform	10.85	173	622254	185.244	ug/l #	99
73) Isopropylbenzene	11.02	105	2748213	145.539	ug/l	100
74) N-amyl acetate	10.90	43	1245396	155.196	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	961905	148.081	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	792534m	143.623	ug/l	
77) Bromobenzene	11.26	156	817951	145.594	ug/l	99
78) n-propylbenzene	11.36	91	3063255	150.443	ug/l	100
79) 2-Chlorotoluene	11.42	91	1835313	146.789	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2376445	149.816	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	330580	178.074	ug/l	94
82) 4-Chlorotoluene	11.51	91	2163944	149.181	ug/l	100
83) tert-Butylbenzene	11.77	119	2415834	149.536	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	2438419	153.122	ug/l	99
85) sec-Butylbenzene	11.94	105	2753873	151.085	ug/l	99
86) p-Isopropyltoluene	12.06	119	2656838	154.939	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	1465399	151.751	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1463453	149.526	ug/l	99
89) n-Butylbenzene	12.38	91	2272961	161.229	ug/l	100
90) Hexachloroethane	12.60	117	463099	171.020	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	1464641	151.094	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	234244	157.621	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1168135	161.732	ug/l	99
94) Hexachlorobutadiene	13.78	225	618630	157.297	ug/l	98
95) Naphthalene	13.83	128	3331835	163.175	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	1170911	160.730	ug/l	100

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

