

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004027.D
 Acq On : 14 Aug 2018 12:54
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:49:53 PM

Quant Time: Aug 14 13:15:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 12:59:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	317934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	478781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	463038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	304990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	647754	153.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.40%	
35) Dibromofluoromethane	5.51	113	524335	144.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.12%	
50) Toluene-d8	8.72	98	2138300	151.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.20%	
62) 4-Bromofluorobenzene	11.14	95	846901	185.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	371.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	463504	143.86	ug/l	100
3) Chloromethane	1.32	50	559558	127.65	ug/l	100
4) Vinyl Chloride	1.40	62	601205	137.53	ug/l	99
5) Bromomethane	1.64	94	315144	113.18	ug/l	100
6) Chloroethane	1.70	64	390305	139.55	ug/l	98
7) Trichlorofluoromethane	1.92	101	816217	141.42	ug/l	100
8) Diethyl Ether	2.18	74	366781	141.37	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	503975	139.70	ug/l	100
10) Methyl Iodide	2.51	142	628636	140.07	ug/l	100
11) Tert butyl alcohol	3.07	59	681975	673.40	ug/l	100
12) 1,1-Dichloroethene	2.37	96	489419	143.42	ug/l	95
13) Acrolein	2.29	56	476450	853.50	ug/l	100
14) Allyl chloride	2.73	41	923896	140.45	ug/l	97
15) Acrylonitrile	3.15	53	1650994	683.21	ug/l	99
16) Acetone	2.45	43	1618658	645.58	ug/l	100
17) Carbon Disulfide	2.57	76	1422886	136.67	ug/l	100
18) Methyl Acetate	2.77	43	743519	136.19	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	1738654	143.78	ug/l	99
20) Methylene Chloride	2.85	84	568865	93.58	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	541195	139.70	ug/l	98
22) Diisopropyl ether	3.87	45	1832998	151.59	ug/l	99
23) Vinyl Acetate	3.82	43	7755621	770.86	ug/l	99
24) 1,1-Dichloroethane	3.70	63	1006901	140.18	ug/l	100
25) 2-Butanone	4.70	43	2749497	729.36	ug/l	99
26) 2,2-Dichloropropane	4.59	77	788940	152.31	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	612641	145.74	ug/l	99
28) Bromochloromethane	5.03	49	450740	146.64	ug/l	96
29) Tetrahydrofuran	5.15	42	1408006	726.69	ug/l	98
30) Chloroform	5.22	83	979268	144.82	ug/l	98
31) Cyclohexane	5.57	56	891899	146.83	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	853423	150.50	ug/l	99
36) 1,1-Dichloropropene	5.80	75	785266	146.44	ug/l	100
37) Ethyl Acetate	4.85	43	849613	144.03	ug/l	100
38) Carbon Tetrachloride	5.79	117	776361	152.11	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	962078	152.17	ug/l	98
40) Benzene	6.15	78	2353495	146.16	ug/l	100
41) Methacrylonitrile	5.06	41	480434	147.89	ug/l	99
42) 1,2-Dichloroethane	6.20	62	797276	146.43	ug/l	100
43) Isopropyl Acetate	6.47	43	1368261	154.14	ug/l	100
44) Trichloroethene	7.21	130	636771	144.60	ug/l	95
45) 1,2-Dichloropropane	7.52	63	604707	145.43	ug/l	99
46) Dibromomethane	7.67	93	395858	146.64	ug/l	99
47) Bromodichloromethane	7.90	83	791814	155.70	ug/l	99
48) Methyl methacrylate	7.78	41	716552	158.80	ug/l	99
49) 1,4-Dioxane	7.76	88	316602	2978.50	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	5644636	767.17	ug/l	98
52) Toluene	8.79	92	1523899	149.78	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	947878	164.90	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	994074	160.38	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	613590	147.58	ug/l	99
56) Ethyl methacrylate	9.18	69	1021119	169.28	ug/l	100
57) 1,3-Dichloropropane	9.37	76	1044719	150.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	2489524	839.30	ug/l	100
59) 2-Hexanone	9.51	43	4354437	791.73	ug/l	98
60) Dibromochloromethane	9.59	129	663911	171.27	ug/l	100
61) 1,2-Dibromoethane	9.68	107	654674	157.28	ug/l	100
64) Tetrachloroethene	9.34	164	607115	133.28	ug/l	96
65) Chlorobenzene	10.14	112	1713665	142.23	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	619271	149.51	ug/l	98
67) Ethyl Benzene	10.26	91	2802626	142.10	ug/l	96
68) m/p-Xylenes	10.36	106	2279222	295.75	ug/l	93
69) o-Xylene	10.70	106	1137816	156.40	ug/l	95
70) Styrene	10.71	104	1976716	165.96	ug/l	98
71) Bromoform	10.86	173	564512	182.25	ug/l	99
73) Isopropylbenzene	11.02	105	3034637	134.50	ug/l	96
74) N-amyl acetate	6.47	43	1368261	116.62	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	1021471	132.10	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	859308m	127.56	ug/l	
77) Bromobenzene	11.26	156	820702	136.36	ug/l	99
78) n-propylbenzene	11.36	91	3426383	135.24	ug/l	99
79) 2-Chlorotoluene	11.43	91	2041535	132.16	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2600121	141.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	345567	156.34	ug/l	92
82) 4-Chlorotoluene	11.51	91	2500225	138.16	ug/l	99
83) tert-Butylbenzene	11.77	119	2637179	145.71	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	2671048	144.39	ug/l	99
85) sec-Butylbenzene	11.95	105	3073685	143.90	ug/l	99
86) p-Isopropyltoluene	12.07	119	2821825	147.23	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1535928	138.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1559589	135.12	ug/l	99
89) n-Butylbenzene	12.39	91	2256212	135.09	ug/l	98
90) Hexachloroethane	12.60	117	430326	138.28	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1437750	130.37	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	198782	125.48	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	1115430	140.63	ug/l	97
94) Hexachlorobutadiene	13.79	225	482352	129.83	ug/l	99
95) Naphthalene	13.83	128	3257322	143.39	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1152914	145.65	ug/l	100

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

