

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042820\
 Data File : VX015962.D
 Acq On : 28 Apr 2020 15:24
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:59:41 PM

Quant Time: Apr 28 17:31:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:15:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	265806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	422772	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	386562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	200296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	18320	5.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.54%	
35) Dibromofluoromethane	5.46	113	13500	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
50) Toluene-d8	8.70	98	49241	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
62) 4-Bromofluorobenzene	11.12	95	19081	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	11299	4.750	ug/l	97
3) Chloromethane	1.31	50	14155	4.910	ug/l	96
4) Vinyl Chloride	1.39	62	16358	4.997	ug/l	100
5) Bromomethane	1.62	94	12758	5.805	ug/l	91
6) Chloroethane	1.70	64	10859	4.987	ug/l	100
7) Trichlorofluoromethane	1.92	101	25015	5.055	ug/l	100
8) Diethyl Ether	2.17	74	10161	4.919	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	12410	5.031	ug/l	98
10) Methyl Iodide	2.49	142	15330	4.455	ug/l	97
11) Tert butyl alcohol	3.01	59	21610	25.616	ug/l	95
12) 1,1-Dichloroethene	2.36	96	12624	4.964	ug/l	94
13) Acrolein	2.27	56	6024	28.414	ug/l	92
14) Allyl chloride	2.71	41	22530	4.913	ug/l	95
15) Acrylonitrile	3.12	53	41779	24.977	ug/l	99
16) Acetone	2.42	43	37885	25.493	ug/l	98
17) Carbon Disulfide	2.55	76	39467	4.845	ug/l	98
18) Methyl Acetate	2.75	43	21449	5.086	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	45962	4.997	ug/l	96
20) Methylene Chloride	2.83	84	15029	5.109	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	14121	4.927	ug/l	98
22) Diisopropyl ether	3.82	45	45398	5.035	ug/l #	97
23) Vinyl Acetate	3.79	43	194285	24.808	ug/l	99
24) 1,1-Dichloroethane	3.67	63	25489	5.075	ug/l	100
25) 2-Butanone	4.64	43	60238	25.014	ug/l	99
26) 2,2-Dichloropropane	4.55	77	23668	5.154	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	16363	5.031	ug/l	100
28) Bromochloromethane	4.98	49	12586	5.179	ug/l	95
29) Tetrahydrofuran	5.10	42	38995	24.708	ug/l	99
30) Chloroform	5.18	83	26720	5.116	ug/l	95
31) Cyclohexane	5.56	56	22723	5.082	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	24356	5.065	ug/l	99
36) 1,1-Dichloropropene	5.77	75	20187	5.013	ug/l	99
37) Ethyl Acetate	4.80	43	23489	5.087	ug/l	98
38) Carbon Tetrachloride	5.76	117	21354	5.021	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	23470	5.039	ug/l	98
40) Benzene	6.11	78	58355	5.079	ug/l	100
41) Methacrylonitrile	5.01	41	11734	4.748	ug/l	96
42) 1,2-Dichloroethane	6.16	62	22783	5.118	ug/l	100
43) Isopropyl Acetate	6.42	43	37968	4.966	ug/l	98
44) Trichloroethene	7.20	130	21822	5.270	ug/l	97
45) 1,2-Dichloropropane	7.49	63	15243	5.134	ug/l	93
46) Dibromomethane	7.64	93	10580	5.015	ug/l	98
47) Bromodichloromethane	7.88	83	20699	4.937	ug/l	99
48) Methyl methacrylate	7.75	41	17680	5.008	ug/l	98
49) 1,4-Dioxane	7.72	88	8325	100.245	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	114285	24.642	ug/l	100
52) Toluene	8.77	92	36430	4.995	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	24303	4.885	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	25595	5.002	ug/l	95
55) 1,1,2-Trichloroethane	9.20	97	14555	4.994	ug/l	98
56) Ethyl methacrylate	9.16	69	22378	4.722	ug/l	98
57) 1,3-Dichloropropane	9.35	76	25049	5.002	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.29	63	57644	23.538	ug/l	99
59) 2-Hexanone	9.48	43	89039	24.566	ug/l	100
60) Dibromochloromethane	9.57	129	15727	4.821	ug/l	97
61) 1,2-Dibromoethane	9.65	107	15445	4.887	ug/l	98
64) Tetrachloroethene	9.32	164	23985	5.230	ug/l	98
65) Chlorobenzene	10.12	112	40072	5.090	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	14938	5.020	ug/l	97
67) Ethyl Benzene	10.24	91	70660	5.040	ug/l	98
68) m/p-Xylenes	10.34	106	53209	10.001	ug/l	98
69) o-Xylene	10.68	106	24869	4.923	ug/l	92
70) Styrene	10.70	104	41426	4.779	ug/l	99
71) Bromoform	10.84	173	10929	4.534	ug/l #	100
73) Isopropylbenzene	11.00	105	68001	4.991	ug/l	99
74) N-amyl acetate	10.88	43	32224	4.904	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	10762	4.075	ug/l	96
76) 1,2,3-Trichloropropane	11.28	75	21531m	4.105	ug/l	
77) Bromobenzene	11.24	156	17628	5.026	ug/l	99
78) n-propylbenzene	11.34	91	78616	5.016	ug/l	99
79) 2-Chlorotoluene	11.40	91	47288	5.063	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	58014	5.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	8275	4.653	ug/l	97
82) 4-Chlorotoluene	11.49	91	54911	4.916	ug/l	98
83) tert-Butylbenzene	11.76	119	49511	5.003	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	57737	4.998	ug/l	100
85) sec-Butylbenzene	11.93	105	66624	4.997	ug/l	100
86) p-Isopropyltoluene	12.05	119	62054	4.969	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	32113	5.021	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	31780	4.916	ug/l	93
89) n-Butylbenzene	12.37	91	54398	4.820	ug/l	100
90) Hexachloroethane	12.58	117	10217	4.630	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	30641	5.010	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	5382	4.784	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	22316	4.861	ug/l	98
94) Hexachlorobutadiene	13.77	225	10212	4.979	ug/l	95
95) Naphthalene	13.82	128	69490	4.800	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	21745	4.919	ug/l	97

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

