

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019489.D
 Acq On : 20 Nov 2020 10:07
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/23/2020 3:50:30 PM

Quant Time: Nov 21 01:47:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:38:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	259279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	429046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	379511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	178322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	19629	5.84	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	11.68%#
35) Dibromofluoromethane	5.46	113	14147	5.25	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	10.50%#
50) Toluene-d8	8.70	98	57109	5.46	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	10.92%#
62) 4-Bromofluorobenzene	11.12	95	18421	4.89	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	9.78%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	11891	4.716	ug/l 96
3) Chloromethane	1.31	50	14535	5.024	ug/l 98
4) Vinyl Chloride	1.39	62	15641	5.022	ug/l 96
5) Bromomethane	1.62	94	6402	5.427	ug/l 99
6) Chloroethane	1.69	64	4437	5.149	ug/l 93
7) Trichlorofluoromethane	1.90	101	23460	5.219	ug/l 96
8) Diethyl Ether	2.17	74	9610	5.338	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	13100	5.223	ug/l 97
10) Methyl Iodide	2.48	142	14232	4.320	ug/l 97
11) Tert butyl alcohol	3.05	59	15487	24.342	ug/l 97
12) 1,1-Dichloroethene	2.35	96	13645	5.301	ug/l 90
13) Acrolein	2.28	56	12447	29.105	ug/l 98
14) Allyl chloride	2.70	41	20058	4.974	ug/l 98
15) Acrylonitrile	3.12	53	37620	25.073	ug/l 97
16) Acetone	2.43	43	34249	26.344	ug/l 98
17) Carbon Disulfide	2.54	76	33142	4.793	ug/l 99
18) Methyl Acetate	2.75	43	16086	4.797	ug/l 98
19) Methyl tert-butyl Ether	3.17	73	45274	5.095	ug/l 97
20) Methylene Chloride	2.83	84	16751	5.155	ug/l 97
21) trans-1,2-Dichloroethene	3.14	96	15258	5.232	ug/l 98
22) Diisopropyl ether	3.83	45	43144	5.172	ug/l 92
23) Vinyl Acetate	3.78	43	174827	24.985	ug/l 99
24) 1,1-Dichloroethane	3.67	63	27153	5.322	ug/l 99
25) 2-Butanone	4.64	43	49353	25.271	ug/l 98
26) 2,2-Dichloropropane	4.54	77	22167	4.977	ug/l 99
27) cis-1,2-Dichloroethene	4.56	96	17560	5.242	ug/l 92
28) Bromochloromethane	4.97	49	12273	5.031	ug/l 98
29) Tetrahydrofuran	5.09	42	31833	25.547	ug/l 97
30) Chloroform	5.17	83	27392	5.134	ug/l 92
31) Cyclohexane	5.54	56	21973	5.025	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	23547	5.138	ug/l 99
36) 1,1-Dichloropropene	5.76	75	20564	5.112	ug/l 99
37) Ethyl Acetate	4.79	43	19857	5.259	ug/l 99
38) Carbon Tetrachloride	5.75	117	19760	5.075	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	23053	4.922	ug/l	96
40) Benzene	6.10	78	64155	5.191	ug/l	100
41) Methacrylonitrile	5.01	41	10186	4.892	ug/l	98
42) 1,2-Dichloroethane	6.16	62	22224	5.246	ug/l	99
43) Isopropyl Acetate	6.42	43	31529	4.967	ug/l	99
44) Trichloroethene	7.18	130	16522	5.104	ug/l	97
45) 1,2-Dichloropropane	7.49	63	15498	5.094	ug/l	99
46) Dibromomethane	7.63	93	10630	5.105	ug/l	98
47) Bromodichloromethane	7.87	83	19329	4.784	ug/l	98
48) Methyl methacrylate	7.74	41	14563	4.899	ug/l	96
49) 1,4-Dioxane	7.72	88	6888	102.048	ug/l #	92
51) 4-Methyl-2-Pentanone	8.62	43	91081	24.606	ug/l	99
52) Toluene	8.76	92	38527	5.096	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	19904	4.561	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	22518	4.650	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	15979	5.190	ug/l	97
56) Ethyl methacrylate	9.16	69	19895	4.566	ug/l	95
57) 1,3-Dichloropropane	9.35	76	26391	5.119	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	56757	22.232	ug/l	100
59) 2-Hexanone	9.48	43	68107	24.261	ug/l	98
60) Dibromochloromethane	9.56	129	14145	4.690	ug/l	97
61) 1,2-Dibromoethane	9.65	107	15626	4.923	ug/l	97
64) Tetrachloroethene	9.32	164	16480	5.524	ug/l	98
65) Chlorobenzene	10.12	112	40614	5.205	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.20	131	13955	4.917	ug/l	100
67) Ethyl Benzene	10.23	91	67991	4.974	ug/l	97
68) m/p-Xylenes	10.34	106	50120	9.842	ug/l	100
69) o-Xylene	10.68	106	24151	4.961	ug/l	98
70) Styrene	10.70	104	37775	4.674	ug/l	99
71) Bromoform	10.84	173	9339	4.500	ug/l #	96
73) Isopropylbenzene	11.00	105	63775	5.170	ug/l	100
74) N-amyl acetate	10.88	43	22521	4.872	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	23126	5.242	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	20884m	5.366	ug/l	
77) Bromobenzene	11.24	156	16382	5.202	ug/l	100
78) n-propylbenzene	11.34	91	71003	5.017	ug/l	99
79) 2-Chlorotoluene	11.40	91	44180	5.148	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	51500	4.977	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	5446	4.117	ug/l #	85
82) 4-Chlorotoluene	11.49	91	51181	5.066	ug/l	100
83) tert-Butylbenzene	11.76	119	50860	5.080	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	52202	4.986	ug/l	99
85) sec-Butylbenzene	11.93	105	59401	4.987	ug/l	99
86) p-Isopropyltoluene	12.05	119	52935	4.895	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	30092	5.203	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	31698	5.321	ug/l	95
89) n-Butylbenzene	12.37	91	45863	4.691	ug/l	99
90) Hexachloroethane	12.58	117	8250	4.559	ug/l	100
91) 1,2-Dichlorobenzene	12.37	146	29734	5.119	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	4302	4.780	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	17435	4.675	ug/l	99
94) Hexachlorobutadiene	13.76	225	8815	5.189	ug/l	96
95) Naphthalene	13.82	128	52884	4.581	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	17674	4.738	ug/l	100

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

