

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016962.D
 Acq On : 25 Jun 2020 19:15
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:32:17 PM

Quant Time: Jun 26 08:25:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:15:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	202525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	346572	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	323153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	157356	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	15878	5.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.98%	
35) Dibromofluoromethane	5.47	113	11622	5.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.96%	
50) Toluene-d8	8.70	98	41749	5.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.32%	
62) 4-Bromofluorobenzene	11.12	95	15906	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	8852	4.134	ug/l	97
3) Chloromethane	1.32	50	12485	5.382	ug/l	97
4) Vinyl Chloride	1.39	62	13285	4.666	ug/l	98
5) Bromomethane	1.62	94	11620	9.850	ug/l	99
6) Chloroethane	1.71	64	8899	5.125	ug/l	88
7) Trichlorofluoromethane	1.92	101	22048	6.200	ug/l	99
8) Diethyl Ether	2.17	74	8282	5.113	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	11839	5.419	ug/l	98
10) Methyl Iodide	2.49	142	8912	3.720	ug/l	100
11) Tert butyl alcohol	3.02	59	14735	24.258	ug/l	97
12) 1,1-Dichloroethene	2.36	96	11796	5.183	ug/l	92
13) Acrolein	2.28	56	8365	21.233	ug/l	97
14) Allyl chloride	2.70	41	20873	5.134	ug/l	98
15) Acrylonitrile	3.12	53	33338	25.072	ug/l	98
16) Acetone	2.42	43	31491	28.955	ug/l	98
17) Carbon Disulfide	2.55	76	36454	5.227	ug/l	97
18) Methyl Acetate	2.75	43	14307	4.517	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	39000	4.798	ug/l	96
20) Methylene Chloride	2.84	84	14487	5.500	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	12974	5.117	ug/l	98
22) Diisopropyl ether	3.83	45	40881	5.091	ug/l	88
23) Vinyl Acetate	3.79	43	175124	26.383	ug/l	97
24) 1,1-Dichloroethane	3.67	63	23905	5.248	ug/l	98
25) 2-Butanone	4.64	43	45441	25.956	ug/l	92
26) 2,2-Dichloropropane	4.55	77	19015	4.786	ug/l	96
27) cis-1,2-Dichloroethene	4.57	96	14733	5.153	ug/l	93
28) Bromochloromethane	4.98	49	11446	5.678	ug/l	98
29) Tetrahydrofuran	5.10	42	29676	25.611	ug/l	97
30) Chloroform	5.18	83	23510	5.207	ug/l	99
31) Cyclohexane	5.55	56	19811	4.696	ug/l #	95
32) 1,1,1-Trichloroethane	5.46	97	21359	5.239	ug/l	98
36) 1,1-Dichloropropene	5.77	75	16926	5.083	ug/l	94
37) Ethyl Acetate	4.80	43	17338	5.112	ug/l #	92
38) Carbon Tetrachloride	5.76	117	18426	5.887	ug/l	97

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Quant Time: Jun 26 08:25:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	18464	4.636	ug/l	97
40) Benzene	6.11	78	50260	5.188	ug/l	98
41) Methacrylonitrile	5.01	41	9951	5.211	ug/l	97
42) 1,2-Dichloroethane	6.17	62	19657	5.668	ug/l	95
43) Isopropyl Acetate	6.42	43	30792	5.533	ug/l	95
44) Trichloroethene	7.19	130	13198	4.523	ug/l	81
45) 1,2-Dichloropropane	7.49	63	13362	5.370	ug/l	92
46) Dibromomethane	7.64	93	9384	5.626	ug/l	96
47) Bromodichloromethane	7.87	83	19108	5.593	ug/l	89
48) Methyl methacrylate	7.75	41	13281	4.858	ug/l	91
49) 1,4-Dioxane	7.72	88	6196	103.741	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	87545	26.851	ug/l	98
52) Toluene	8.76	92	30850	5.032	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	20001	4.941	ug/l	95
54) cis-1,3-Dichloropropene	8.41	75	20412	4.823	ug/l	89
55) 1,1,2-Trichloroethane	9.20	97	13028	5.317	ug/l	93
56) Ethyl methacrylate	9.16	69	17055	4.346	ug/l	95
57) 1,3-Dichloropropane	9.35	76	21506	5.131	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	47302	24.236	ug/l	99
59) 2-Hexanone	9.48	43	63415	25.650	ug/l	100
60) Dibromochloromethane	9.57	129	13384	5.377	ug/l	98
61) 1,2-Dibromoethane	9.65	107	12958	5.087	ug/l	96
64) Tetrachloroethene	9.32	164	11229	3.684	ug/l	96
65) Chlorobenzene	10.12	112	32585	5.064	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	12490	5.414	ug/l	98
67) Ethyl Benzene	10.24	91	57159	4.821	ug/l	98
68) m/p-Xylenes	10.34	106	42248	9.700	ug/l	100
69) o-Xylene	10.68	106	19813	4.678	ug/l	98
70) Styrene	10.70	104	32886	4.512	ug/l	99
71) Bromoform	10.84	173	9194	5.696	ug/l #	98
73) Isopropylbenzene	11.00	105	54040	4.668	ug/l	99
74) N-amyl acetate	10.88	43	24083	4.707	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	18549	6.657	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	17451m	5.170	ug/l	
77) Bromobenzene	11.24	156	14216	5.318	ug/l	98
78) n-propylbenzene	11.34	91	62194	4.544	ug/l	100
79) 2-Chlorotoluene	11.40	91	39007	4.838	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	44794	4.559	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.06	75	6000	4.104	ug/l	91
82) 4-Chlorotoluene	11.49	91	45075	4.679	ug/l	99
83) tert-Butylbenzene	11.76	119	42843	5.051	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	45399	4.498	ug/l	99
85) sec-Butylbenzene	11.93	105	50757	4.484	ug/l	97
86) p-Isopropyltoluene	12.05	119	45739	4.426	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	25702	5.229	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	26611	5.266	ug/l	91
89) n-Butylbenzene	12.37	91	42555	4.390	ug/l	97
90) Hexachloroethane	12.58	117	9343	5.556	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	24230	5.135	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	4226	5.032	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	14847	4.849	ug/l	94
94) Hexachlorobutadiene	13.77	225	5544	5.126	ug/l	85
95) Naphthalene	13.82	128	48009	4.384	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	14536	5.001	ug/l	98

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

