

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017007.D
 Acq On : 29 Jun 2020 14:35
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 10:12:44 AM

Quant Time: Jun 29 17:07:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 16:54:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	290713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	467593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	441650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	221915	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	20382	5.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.38%	
35) Dibromofluoromethane	5.47	113	16164	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	
50) Toluene-d8	8.70	98	57979	5.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.60%	
62) 4-Bromofluorobenzene	11.12	95	21660	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	12757	4.536	ug/l	95
3) Chloromethane	1.31	50	16515	4.851	ug/l	98
4) Vinyl Chloride	1.39	62	15063	4.769	ug/l	98
5) Bromomethane	1.62	94	9130	5.471	ug/l	93
6) Chloroethane	1.71	64	9071	4.863	ug/l	94
7) Trichlorofluoromethane	1.92	101	23461	5.022	ug/l	100
8) Diethyl Ether	2.17	74	8400	4.926	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	14334	5.120	ug/l	95
10) Methyl Iodide	2.49	142	15765	4.364	ug/l	99
11) Tert butyl alcohol	3.01	59	17445	25.515	ug/l	98
12) 1,1-Dichloroethene	2.35	96	14455	5.026	ug/l	95
13) Acrolein	2.27	56	10708	26.200	ug/l	95
14) Allyl chloride	2.71	41	26065	4.904	ug/l	99
15) Acrylonitrile	3.12	53	41839	25.456	ug/l	99
16) Acetone	2.42	43	33653	25.101	ug/l	95
17) Carbon Disulfide	2.55	76	43570	4.946	ug/l	99
18) Methyl Acetate	2.75	43	18899	5.400	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	47818	4.954	ug/l	97
20) Methylene Chloride	2.84	84	17833	5.204	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	16148	5.059	ug/l	100
22) Diisopropyl ether	3.83	45	49167	4.998	ug/l	93
23) Vinyl Acetate	3.79	43	205850	24.350	ug/l	100
24) 1,1-Dichloroethane	3.67	63	28565	5.103	ug/l	97
25) 2-Butanone	4.64	43	55389	24.794	ug/l	98
26) 2,2-Dichloropropane	4.55	77	25438	5.118	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	18376	5.081	ug/l	99
28) Bromochloromethane	4.98	49	13972	5.129	ug/l	97
29) Tetrahydrofuran	5.09	42	36817	24.943	ug/l	98
30) Chloroform	5.18	83	29251	5.098	ug/l	97
31) Cyclohexane	5.54	56	24573	5.079	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	26061	4.931	ug/l	98
36) 1,1-Dichloropropene	5.77	75	21105	4.776	ug/l	97
37) Ethyl Acetate	4.80	43	22559	5.031	ug/l	97
38) Carbon Tetrachloride	5.75	117	24334	4.999	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	23052	4.688	ug/l	97
40) Benzene	6.11	78	64310	4.953	ug/l	99
41) Methacrylonitrile	5.01	41	11790	4.672	ug/l	98
42) 1,2-Dichloroethane	6.16	62	23459	5.002	ug/l	98
43) Isopropyl Acetate	6.42	43	34752	4.664	ug/l	97
44) Trichloroethene	7.18	130	19447	4.972	ug/l	98
45) 1,2-Dichloropropane	7.49	63	16777	5.031	ug/l	94
46) Dibromomethane	7.64	93	11305	4.965	ug/l	97
47) Bromodichloromethane	7.88	83	22730	4.844	ug/l	91
48) Methyl methacrylate	7.74	41	16835	4.756	ug/l	99
49) 1,4-Dioxane	7.71	88	7784	97.063	ug/l	93
51) 4-Methyl-2-Pentanone	8.62	43	107508	24.205	ug/l	99
52) Toluene	8.77	92	39228	4.839	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	24321	4.698	ug/l	94
54) cis-1,3-Dichloropropene	8.41	75	27082	4.880	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	16682	5.036	ug/l	95
56) Ethyl methacrylate	9.16	69	20742	4.400	ug/l	96
57) 1,3-Dichloropropane	9.35	76	27782	4.957	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	56498	24.079	ug/l	99
59) 2-Hexanone	9.47	43	78308	24.141	ug/l	96
60) Dibromochloromethane	9.57	129	18326	4.764	ug/l	99
61) 1,2-Dibromoethane	9.65	107	17491	4.913	ug/l	96
64) Tetrachloroethene	9.32	164	18832	5.283	ug/l	96
65) Chlorobenzene	10.12	112	45383	4.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	17103	4.869	ug/l	99
67) Ethyl Benzene	10.23	91	72409	4.757	ug/l	97
68) m/p-Xylenes	10.34	106	54898	9.392	ug/l	99
69) o-Xylene	10.68	106	25857	4.650	ug/l	99
70) Styrene	10.69	104	43168	4.559	ug/l	99
71) Bromoform	10.84	173	13485	4.841	ug/l #	98
73) Isopropylbenzene	11.00	105	70703	4.864	ug/l	100
74) N-amyl acetate	10.88	43	27768	4.477	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	23088	5.050	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	21769m	3.983	ug/l	
77) Bromobenzene	11.24	156	19700	4.931	ug/l	99
78) n-propylbenzene	11.34	91	77459	4.712	ug/l	99
79) 2-Chlorotoluene	11.40	91	48176	4.843	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	56128	4.655	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	8317	4.936	ug/l	96
82) 4-Chlorotoluene	11.49	91	58048	4.881	ug/l	100
83) tert-Butylbenzene	11.76	119	55951	4.727	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	57457	4.697	ug/l	99
85) sec-Butylbenzene	11.93	105	65741	4.725	ug/l	98
86) p-Isopropyltoluene	12.05	119	60544	4.675	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	36137	4.981	ug/l	96
88) 1,4-Dichlorobenzene	12.08	146	36801	5.043	ug/l	95
89) n-Butylbenzene	12.37	91	51363	4.441	ug/l	99
90) Hexachloroethane	12.58	117	12827	5.022	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	33306	4.911	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5032	4.613	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	21079	4.554	ug/l	99
94) Hexachlorobutadiene	13.77	225	8826	4.714	ug/l	95
95) Naphthalene	13.82	128	61984	4.404	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	20366	4.546	ug/l	96

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

