

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062320\
 Data File : VX016938.D
 Acq On : 23 Jun 2020 18:47
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX062320

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:54:41 AM

Quant Time: Jun 24 01:05:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 01:00:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	211043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	348456	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	358957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	169640	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	146293	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	
35) Dibromofluoromethane	5.46	113	108704	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
50) Toluene-d8	8.70	98	381175	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	
62) 4-Bromofluorobenzene	11.12	95	176737	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	128921	52.383	ug/l	100
3) Chloromethane	1.31	50	103289	44.579	ug/l	98
4) Vinyl Chloride	1.39	62	106916	46.152	ug/l	100
5) Bromomethane	1.62	94	68373	54.882	ug/l	99
6) Chloroethane	1.71	64	71018	42.328	ug/l	99
7) Trichlorofluoromethane	1.92	101	180175	44.093	ug/l	99
8) Diethyl Ether	2.17	74	67686	43.564	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	91988	40.367	ug/l	98
10) Methyl Iodide	2.49	142	132815	45.185	ug/l	98
11) Tert butyl alcohol	3.01	59	132263	188.743	ug/l	100
12) 1,1-Dichloroethene	2.36	96	89003	41.487	ug/l	92
13) Acrolein	2.27	56	94911	229.128	ug/l	100
14) Allyl chloride	2.71	41	176901	36.037	ug/l	96
15) Acrylonitrile	3.12	53	301805	197.162	ug/l	100
16) Acetone	2.42	43	262531	207.255	ug/l	98
17) Carbon Disulfide	2.55	76	242823	35.992	ug/l	99
18) Methyl Acetate	2.75	43	154561	36.848	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	357707	38.573	ug/l	99
20) Methylene Chloride	2.84	84	108427	34.314	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	102811	38.439	ug/l	96
22) Diisopropyl ether	3.82	45	380403	44.053	ug/l	99
23) Vinyl Acetate	3.79	43	1571437	225.329	ug/l	100
24) 1,1-Dichloroethane	3.67	63	195228	39.262	ug/l	98
25) 2-Butanone	4.64	43	432451	216.328	ug/l	99
26) 2,2-Dichloropropane	4.56	77	171030	39.125	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	122223	41.913	ug/l	96
28) Bromochloromethane	4.98	49	98943	38.311	ug/l	99
29) Tetrahydrofuran	5.09	42	310339	229.237	ug/l	99
30) Chloroform	5.18	83	227871	43.500	ug/l	95
31) Cyclohexane	5.55	56	195621	49.381	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	210861	45.915	ug/l	99
36) 1,1-Dichloropropene	5.77	75	172141	51.802	ug/l	99
37) Ethyl Acetate	4.79	43	176019	48.210	ug/l	99
38) Carbon Tetrachloride	5.75	117	188775	53.124	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	172026	46.972	ug/l	95
40) Benzene	6.12	78	490955	51.565	ug/l	99
41) Methacrylonitrile	5.01	41	102153	48.028	ug/l	96
42) 1,2-Dichloroethane	6.17	62	194489	49.766	ug/l	99
43) Isopropyl Acetate	6.42	43	345949	54.381	ug/l	100
44) Trichloroethene	7.19	130	133602	50.131	ug/l	97
45) 1,2-Dichloropropane	7.49	63	128461	48.700	ug/l	99
46) Dibromomethane	7.64	93	86098	47.225	ug/l	99
47) Bromodichloromethane	7.88	83	199244	52.107	ug/l	100
48) Methyl methacrylate	7.74	41	151464	51.204	ug/l	98
49) 1,4-Dioxane	7.71	88	61565	967.735	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	941406	254.057	ug/l	100
52) Toluene	8.76	92	294852	50.415	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	206286	46.869	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	236356	55.652	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	124877	47.144	ug/l	98
56) Ethyl methacrylate	9.16	69	196754	47.956	ug/l	98
57) 1,3-Dichloropropane	9.35	76	216686	48.809	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	535782	318.808	ug/l	100
59) 2-Hexanone	9.47	43	730927	257.597	ug/l	99
60) Dibromochloromethane	9.57	129	139875	48.274	ug/l	100
61) 1,2-Dibromoethane	9.65	107	137463	50.406	ug/l	100
64) Tetrachloroethene	9.32	164	105081	43.125	ug/l	92
65) Chlorobenzene	10.12	112	346359	47.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	134855	47.484	ug/l	98
67) Ethyl Benzene	10.24	91	626249	47.761	ug/l	99
68) m/p-Xylenes	10.34	106	442774	91.948	ug/l	98
69) o-Xylene	10.68	106	217269	47.233	ug/l	99
70) Styrene	10.70	104	384650	49.133	ug/l	99
71) Bromoform	10.84	173	108131	51.202	ug/l #	99
73) Isopropylbenzene	11.00	105	630407	50.081	ug/l	100
74) N-amyl acetate	10.88	43	321225	50.991	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	197876	46.978	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	198811m	48.858	ug/l	
77) Bromobenzene	11.24	156	147117	47.603	ug/l	98
78) n-propylbenzene	11.34	91	735969	51.285	ug/l	100
79) 2-Chlorotoluene	11.40	91	440023	48.427	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	519584	49.011	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	78720	48.245	ug/l	100
82) 4-Chlorotoluene	11.49	91	515225	47.367	ug/l	100
83) tert-Butylbenzene	11.76	119	476243	45.883	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	496556	47.145	ug/l	99
85) sec-Butylbenzene	11.93	105	594567	50.779	ug/l	100
86) p-Isopropyltoluene	12.05	119	538613	49.701	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	267807	48.182	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	261663	46.000	ug/l	98
89) n-Butylbenzene	12.37	91	455911	44.432	ug/l	99
90) Hexachloroethane	12.58	117	102803	48.290	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	233203	43.540	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	49699	47.325	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	169387	48.412	ug/l	98
94) Hexachlorobutadiene	13.76	225	56165	46.013	ug/l	97
95) Naphthalene	13.82	128	620631	52.201	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	167550	49.506	ug/l	99

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

