

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111920\
 Data File : VX019456.D
 Acq On : 18 Nov 2020 15:25
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 11:58:22 AM

Quant Time: Nov 18 16:42:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X111920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 16:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	247144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	422983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	376575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	192631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	589003	152.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.26%	
35) Dibromofluoromethane	5.46	113	442423	161.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	322.74%	
50) Toluene-d8	8.70	98	1655691	153.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.74%	
62) 4-Bromofluorobenzene	11.12	95	638258	163.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	450518	164.974	ug/l	99
3) Chloromethane	1.31	50	493526	142.090	ug/l	100
4) Vinyl Chloride	1.39	62	540921	158.956	ug/l	99
5) Bromomethane	1.62	94	242444	147.248	ug/l	95
6) Chloroethane	1.69	64	165880	119.094	ug/l	100
7) Trichlorofluoromethane	1.89	101	760186	159.736	ug/l	99
8) Diethyl Ether	2.17	74	305035	161.057	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.35	101	414024	158.164	ug/l	99
10) Methyl Iodide	2.48	142	534023	165.326	ug/l	99
11) Tert butyl alcohol	3.07	59	516059	709.239	ug/l	100
12) 1,1-Dichloroethene	2.34	96	423009	160.724	ug/l	97
13) Acrolein	2.28	56	389070	755.355	ug/l	98
14) Allyl chloride	2.70	41	759760	165.561	ug/l	99
15) Acrylonitrile	3.12	53	1274749	771.784	ug/l	99
16) Acetone	2.43	43	1090837	724.126	ug/l	99
17) Carbon Disulfide	2.54	76	1228832	174.560	ug/l	99
18) Methyl Acetate	2.75	43	550650	149.350	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	1567467	165.620	ug/l	100
20) Methylene Chloride	2.83	84	485957	142.044	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	476380	164.143	ug/l	99
22) Diisopropyl ether	3.83	45	1539929	164.230	ug/l	93
23) Vinyl Acetate	3.79	43	6738240	852.801	ug/l	98
24) 1,1-Dichloroethane	3.67	63	882602	159.571	ug/l	99
25) 2-Butanone	4.64	43	1685748	755.317	ug/l	98
26) 2,2-Dichloropropane	4.54	77	779874	166.323	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	547922	166.603	ug/l	98
28) Bromochloromethane	4.98	49	401359	151.355	ug/l	100
29) Tetrahydrofuran	5.09	42	1112096	776.626	ug/l	99
30) Chloroform	5.17	83	891858	157.803	ug/l	97
31) Cyclohexane	5.54	56	780786	163.399	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	808867	165.388	ug/l	99
36) 1,1-Dichloropropene	5.76	75	689904	165.522	ug/l	100
37) Ethyl Acetate	4.80	43	682275	157.770	ug/l	100
38) Carbon Tetrachloride	5.75	117	689011	168.056	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	812622	175.235	ug/l	99
40) Benzene	6.11	78	1994754	159.585	ug/l	100
41) Methacrylonitrile	5.01	41	366737	154.245	ug/l	98
42) 1,2-Dichloroethane	6.16	62	742074	155.541	ug/l	100
43) Isopropyl Acetate	6.42	43	1135070	158.503	ug/l	99
44) Trichloroethene	7.18	130	505292	160.501	ug/l	96
45) 1,2-Dichloropropane	7.49	63	508311	156.258	ug/l	99
46) Dibromomethane	7.63	93	341206	160.422	ug/l	99
47) Bromodichloromethane	7.87	83	710391	170.754	ug/l	97
48) Methyl methacrylate	7.75	41	565492	164.553	ug/l	99
49) 1,4-Dioxane	7.73	88	211645	3089.832	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	3278238	766.746	ug/l	98
52) Toluene	8.76	92	1209611	159.382	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	795417	178.140	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	851325	173.082	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	473025	152.766	ug/l	99
56) Ethyl methacrylate	9.16	69	777245	179.254	ug/l	98
57) 1,3-Dichloropropane	9.35	76	818469	152.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	2051680	818.237	ug/l	99
59) 2-Hexanone	9.48	43	2522318	781.491	ug/l	99
60) Dibromochloromethane	9.57	129	515376	177.232	ug/l	99
61) 1,2-Dibromoethane	9.65	107	498786	155.950	ug/l	100
64) Tetrachloroethene	9.32	164	431238	145.860	ug/l	98
65) Chlorobenzene	10.12	112	1219287	159.723	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	463174	174.051	ug/l	98
67) Ethyl Benzene	10.23	91	2300488	168.101	ug/l	98
68) m/p-Xylenes	10.34	106	1696398	340.804	ug/l	100
69) o-Xylene	10.68	106	821226	173.908	ug/l	100
70) Styrene	10.70	104	1432734	181.518	ug/l	99
71) Bromoform	10.84	173	369752	202.242	ug/l #	99
73) Isopropylbenzene	11.00	105	2204881	160.095	ug/l	100
74) N-amyl acetate	10.88	43	1012748	178.159	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	754342	158.427	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	684999m	124.878	ug/l	
77) Bromobenzene	11.24	156	518963	159.891	ug/l	99
78) n-propylbenzene	11.34	91	2588793	163.520	ug/l	100
79) 2-Chlorotoluene	11.40	91	1541580	159.477	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	1904361	163.015	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	269198	180.243	ug/l	96
82) 4-Chlorotoluene	11.49	91	1852743	160.923	ug/l	99
83) tert-Butylbenzene	11.76	119	1821745	171.019	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	1937594	166.540	ug/l	98
85) sec-Butylbenzene	11.93	105	2212622	168.994	ug/l	100
86) p-Isopropyltoluene	12.05	119	2041999	173.782	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	981914	159.426	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	987923	155.788	ug/l	100
89) n-Butylbenzene	12.37	91	1947008	176.777	ug/l	99
90) Hexachloroethane	12.58	117	367993	190.648	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	963390	158.517	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	183162	172.696	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	676770	183.022	ug/l	99
94) Hexachlorobutadiene	13.76	225	274992	165.765	ug/l	98
95) Naphthalene	13.82	128	2272680	186.926	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	663316	181.349	ug/l	98

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

