

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061820\
 Data File : VX016839.D
 Acq On : 18 Jun 2020 11:02
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/19/2020 12:49:31 PM

Quant Time: Jun 18 12:34:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 18 12:21:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	256568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	386032	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	363388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195259	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	17274	5.65	ug/l	0.00
Spiked Amount			Recovery	=	11.30%	
35) Dibromofluoromethane	5.47	113	13685	5.71	ug/l	0.00
Spiked Amount			Recovery	=	11.42%	
50) Toluene-d8	8.70	98	52451	5.88	ug/l	0.00
Spiked Amount			Recovery	=	11.76%	
62) 4-Bromofluorobenzene	11.12	95	19668	5.79	ug/l	0.00
Spiked Amount			Recovery	=	11.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	12337	4.598	ug/l	97
3) Chloromethane	1.31	50	15218	5.340	ug/l	94
4) Vinyl Chloride	1.39	62	17632	5.626	ug/l	96
5) Bromomethane	1.62	94	13318	6.792	ug/l	95
6) Chloroethane	1.71	64	11360	5.952	ug/l	100
7) Trichlorofluoromethane	1.92	101	26228	5.921	ug/l	100
8) Diethyl Ether	2.17	74	10473	5.777	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	15251	6.737	ug/l	96
10) Methyl Iodide	2.49	142	10157	3.707	ug/l	100
11) Tert butyl alcohol	3.01	59	13678	19.735	ug/l	98
12) 1,1-Dichloroethene	2.36	96	15277	5.926	ug/l	94
13) Acrolein	2.27	56	9523	28.659	ug/l	92
14) Allyl chloride	2.70	41	20326	5.197	ug/l	99
15) Acrylonitrile	3.11	53	31683	21.992	ug/l	98
16) Acetone	2.42	43	33706	26.334	ug/l	98
17) Carbon Disulfide	2.55	76	43208	6.022	ug/l	98
18) Methyl Acetate	2.75	43	13555	3.968	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	40637	4.763	ug/l	98
20) Methylene Chloride	2.84	84	14167	5.022	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	13586	5.030	ug/l	94
22) Diisopropyl ether	3.82	45	36655	4.977	ug/l	99
23) Vinyl Acetate	3.78	43	150216	23.678	ug/l	100
24) 1,1-Dichloroethane	3.67	63	23124	5.015	ug/l	98
25) 2-Butanone	4.64	43	40934	21.284	ug/l	100
26) 2,2-Dichloropropane	4.54	77	22005	5.155	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	15294	4.951	ug/l	98
28) Bromochloromethane	4.98	49	9835	5.013	ug/l	98
29) Tetrahydrofuran	5.09	42	25531	20.511	ug/l	99
30) Chloroform	5.17	83	24479	5.019	ug/l	95
31) Cyclohexane	5.54	56	18985	5.456	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	23036	5.205	ug/l	97
36) 1,1-Dichloropropene	5.76	75	18184	5.341	ug/l	95
37) Ethyl Acetate	4.79	43	16262	4.448	ug/l	98
38) Carbon Tetrachloride	5.75	117	20394	5.275	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	19772	5.363	ug/l	96
40) Benzene	6.12	78	53881	5.191	ug/l	96
41) Methacrylonitrile	5.01	41	8574	4.375	ug/l	96
42) 1,2-Dichloroethane	6.16	62	19657	5.192	ug/l	99
43) Isopropyl Acetate	6.41	43	26393	4.508	ug/l	99
44) Trichloroethene	7.19	130	17935	5.420	ug/l	97
45) 1,2-Dichloropropane	7.49	63	13392	5.229	ug/l	91
46) Dibromomethane	7.64	93	9199	4.968	ug/l	98
47) Bromodichloromethane	7.87	83	19031	4.933	ug/l	95
48) Methyl methacrylate	7.74	41	12090	4.406	ug/l	97
49) 1,4-Dioxane	7.71	88	5541	82.367	ug/l #	91
51) 4-Methyl-2-Pentanone	8.62	43	77216	21.717	ug/l	99
52) Toluene	8.76	92	34348	5.086	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	20342	4.681	ug/l	96
54) cis-1,3-Dichloropropene	8.42	75	25994	5.713	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	14232	5.192	ug/l	96
56) Ethyl methacrylate	9.16	69	18587	4.517	ug/l	97
57) 1,3-Dichloropropane	9.35	76	26815	5.803	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	45045	22.774	ug/l	99
59) 2-Hexanone	9.47	43	74861	27.434	ug/l	99
60) Dibromochloromethane	9.56	129	18172	5.602	ug/l	98
61) 1,2-Dibromoethane	9.65	107	16900	5.719	ug/l	100
64) Tetrachloroethene	9.32	164	19679	5.708	ug/l	91
65) Chlorobenzene	10.12	112	38202	5.196	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.20	131	14773	5.096	ug/l	98
67) Ethyl Benzene	10.24	91	62817	5.101	ug/l	100
68) m/p-Xylenes	10.34	106	47323	10.171	ug/l	100
69) o-Xylene	10.68	106	22582	5.051	ug/l	98
70) Styrene	10.70	104	37482	4.852	ug/l	99
71) Bromoform	10.84	173	12104	4.923	ug/l #	96
73) Isopropylbenzene	11.00	105	62012	4.835	ug/l	99
74) N-amyl acetate	10.88	43	21095	4.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	18337	4.884	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	19448m	4.796	ug/l	
77) Bromobenzene	11.24	156	17697	4.884	ug/l	99
78) n-propylbenzene	11.34	91	70019	5.000	ug/l	99
79) 2-Chlorotoluene	11.40	91	44180	4.999	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	55157	5.104	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.05	75	6740	4.213	ug/l	97
82) 4-Chlorotoluene	11.49	91	55015	5.295	ug/l	100
83) tert-Butylbenzene	11.76	119	55623	5.594	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	56061	5.125	ug/l	100
85) sec-Butylbenzene	11.93	105	66121	5.711	ug/l	100
86) p-Isopropyltoluene	12.05	119	56533	5.077	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	34273	5.557	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	32883	5.166	ug/l	95
89) n-Butylbenzene	12.37	91	43088	4.670	ug/l	98
90) Hexachloroethane	12.58	117	10067	4.867	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	30229	4.940	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	4385	4.231	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	18715	4.287	ug/l	95
94) Hexachlorobutadiene	13.76	225	8864	4.543	ug/l	96
95) Naphthalene	13.82	128	56426	4.220	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	19411	4.473	ug/l	100

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

