

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042320\
 Data File : VX015907.D
 Acq On : 23 Apr 2020 22:18
 Operator : JC/SP
 Sample : VX0423WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 11:35:19 AM

Quant Time: Apr 24 07:59:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	812213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1245941	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1144494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	638528	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	467422	50.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.20%	
35) Dibromofluoromethane	5.47	113	356084	49.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.02%	
50) Toluene-d8	8.70	98	1410713	48.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.12	95	568083	47.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	150484	21.645	ug/l	93
3) Chloromethane	1.31	50	133622	18.766	ug/l	97
4) Vinyl Chloride	1.39	62	153132	18.580	ug/l	97
5) Bromomethane	1.63	94	68583	24.811	ug/l	98
6) Chloroethane	1.71	64	91873	19.562	ug/l	93
7) Trichlorofluoromethane	1.92	101	205202	20.068	ug/l	99
8) Diethyl Ether	2.17	74	76701	18.497	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	129214	18.628	ug/l	100
10) Methyl Iodide	2.49	142	150144	17.520	ug/l	96
11) Tert butyl alcohol	3.01	59	197672	104.730	ug/l	98
12) 1,1-Dichloroethene	2.36	96	136090	19.130	ug/l	94
13) Acrolein	2.27	56	88242	79.014	ug/l	99
14) Allyl chloride	2.71	41	285320	18.874	ug/l	99
15) Acrylonitrile	3.12	53	452606	103.310	ug/l	100
16) Acetone	2.42	43	378292	94.048	ug/l	97
17) Carbon Disulfide	2.55	76	367993	14.244	ug/l	99
18) Methyl Acetate	2.75	43	291409	21.945	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	519239	20.675	ug/l	98
20) Methylene Chloride	2.84	84	163600	20.035	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	154297	19.548	ug/l	93
22) Diisopropyl ether	3.83	45	559062	20.518	ug/l	94
23) Vinyl Acetate	3.79	43	2248156	99.693	ug/l	99
24) 1,1-Dichloroethane	3.67	63	286862	20.199	ug/l	99
25) 2-Butanone	4.64	43	653741	102.827	ug/l	100
26) 2,2-Dichloropropane	4.56	77	213248	16.810	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	180262	20.116	ug/l	99
28) Bromochloromethane	4.98	49	145962	19.588	ug/l	98
29) Tetrahydrofuran	5.09	42	433291	103.037	ug/l	99
30) Chloroform	5.18	83	282932	19.801	ug/l	96
31) Cyclohexane	5.55	56	263514	19.525	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	261045	20.491	ug/l	98
36) 1,1-Dichloropropene	5.77	75	214493	19.419	ug/l	100
37) Ethyl Acetate	4.80	43	261005	19.855	ug/l	97
38) Carbon Tetrachloride	5.76	117	221524	20.361	ug/l	95

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39) Methylcyclohexane	7.44	83	249679	17.850	ug/l	95
40) Benzene	6.12	78	638560	19.195	ug/l	99
41) Methacrylonitrile	5.00	41	146534	20.060	ug/l	97
42) 1,2-Dichloroethane	6.17	62	238861	19.939	ug/l	100
43) Isopropyl Acetate	6.42	43	432392	19.500	ug/l	99
44) Trichloroethene	7.20	130	219477	18.773	ug/l	91
45) 1,2-Dichloropropane	7.49	63	174347	19.998	ug/l	100
46) Dibromomethane	7.64	93	112129	17.619	ug/l	97
47) Bromodichloromethane	7.88	83	235399	20.791	ug/l	98
48) Methyl methacrylate	7.75	41	215307	19.739	ug/l	98
49) 1,4-Dioxane	7.72	88	84323	409.056	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1300392	101.599	ug/l	100
52) Toluene	8.77	92	426417	19.997	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	270256	19.238	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	282145	19.003	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	171660	20.616	ug/l	96
56) Ethyl methacrylate	9.16	69	270936	19.210	ug/l	98
57) 1,3-Dichloropropane	9.36	76	289262	19.992	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	719674	102.145	ug/l	97
59) 2-Hexanone	9.47	43	983317	100.847	ug/l	100
60) Dibromochloromethane	9.57	129	182014	21.168	ug/l	97
61) 1,2-Dibromoethane	9.65	107	178725	19.421	ug/l	99
64) Tetrachloroethene	9.32	164	282029	18.282	ug/l	98
65) Chlorobenzene	10.12	112	457202	19.977	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	176160	20.592	ug/l	98
67) Ethyl Benzene	10.24	91	794170	19.760	ug/l	98
68) m/p-Xylenes	10.34	106	606663	40.215	ug/l	100
69) o-Xylene	10.68	106	301116	20.284	ug/l	96
70) Styrene	10.70	104	516886	20.109	ug/l	100
71) Bromoform	10.84	173	137414	24.650	ug/l #	99
73) Isopropylbenzene	11.00	105	793169	19.559	ug/l	99
74) N-amyl acetate	10.88	43	383793	18.332	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	179475	20.912	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	237754m	19.581	ug/l	
77) Bromobenzene	11.24	156	218693	19.737	ug/l	98
78) n-propylbenzene	11.34	91	907666	19.538	ug/l	99
79) 2-Chlorotoluene	11.40	91	537203	19.251	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	673107	19.466	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	88469	17.527	ug/l	96
82) 4-Chlorotoluene	11.50	91	641797	19.355	ug/l	100
83) tert-Butylbenzene	11.76	119	600198	19.568	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	693360	19.314	ug/l	100
85) sec-Butylbenzene	11.93	105	773670	19.134	ug/l	99
86) p-Isopropyltoluene	12.05	119	731328	19.343	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	388098	19.081	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	395053	19.403	ug/l	96
89) n-Butylbenzene	12.37	91	623112	18.433	ug/l	99
90) Hexachloroethane	12.58	117	109907	27.517	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	370665	19.214	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	55047	21.628	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	279708	18.402	ug/l	99
94) Hexachlorobutadiene	13.76	225	128426	18.844	ug/l	99
95) Naphthalene	13.82	128	849535	19.427	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	268910	18.134	ug/l	96

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

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