

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016008.D
 Acq On : 01 May 2020 14:00
 Operator : JC/SP
 Sample : VX0501WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0501WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:19:55 PM

Quant Time: May 02 07:27:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	50349	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	280469	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	260458	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	119101	30.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.60%
60) 4-Bromofluorobenzene	11.12	95	128044	29.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.73%
63) Toluene-d8	8.70	98	332134	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	67207	19.379	ug/l 100
3) Chloromethane	1.31	50	63497	18.687	ug/l 99
4) Vinyl Chloride	1.39	62	71162	18.433	ug/l 98
5) Bromomethane	1.63	94	48534	20.511	ug/l 98
6) Chloroethane	1.72	64	45896	18.135	ug/l 98
7) Trichlorofluoromethane	1.92	101	100193	18.119	ug/l 100
8) Diethyl Ether	2.17	74	41310	18.717	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	53534	18.747	ug/l 99
10) 1,1-Dichloroethene	2.36	96	52893	18.359	ug/l 99
11) Methyl Iodide	2.49	142	69960	17.787	ug/l 99
12) Methyl Acetate	2.75	43	99604	19.801	ug/l 100
13) Acrolein	2.27	56	31014	76.910	ug/l 97
14) Acrylonitrile	3.11	53	177575	95.571	ug/l 99
15) Acetone	2.42	58	48103	97.825	ug/l 96
16) Carbon Disulfide	2.55	76	159855	18.238	ug/l 98
17) Allyl chloride	2.70	41	98857	18.497	ug/l 96
18) Methylene Chloride	2.83	84	61772	19.139	ug/l 100
19) trans-1,2-Dichloroethene	3.14	96	57647	18.294	ug/l 97
20) Diisopropyl ether	3.82	45	191134	18.548	ug/l # 88
21) 1,1-Dichloroethane	3.67	63	106037	18.454	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	65465	18.307	ug/l 100
23) tert-Butyl Alcohol	3.00	59	88012	96.767	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	197964	19.134	ug/l 99
25) Chloroform	5.17	83	107699	18.455	ug/l 98
26) Cyclohexane	5.55	56	95942	18.260	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	80232	18.189	ug/l 99
30) 2-Butanone	4.63	43	253756	96.543	ug/l 99
31) 2,2-Dichloropropane	4.55	77	92502	17.425	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	96280	17.993	ug/l 99
33) Carbon Tetrachloride	5.75	117	85712	17.990	ug/l 97
34) Benzene	6.11	78	237246	18.414	ug/l 98
35) Methacrylonitrile	5.00	41	53715	19.244	ug/l 94
36) 1,2-Dichloroethane	6.16	62	92812	18.863	ug/l 98
37) Trichloroethene	7.19	130	87453	19.080	ug/l 98
38) Methylcyclohexane	7.44	83	98717	18.312	ug/l 100
39) 1,2-Dichloropropane	7.49	63	61973	18.738	ug/l 98
40) Dibromomethane	7.64	93	42725	18.604	ug/l 99

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Quant Time: May 02 07:27:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	85670	18.095	ug/l	100
42) Vinyl Acetate	3.78	43	813462	93.547	ug/l	100
43) Ethyl Acetate	4.79	43	98380	18.975	ug/l	99
44) Isopropyl Acetate	6.41	43	157911	18.768	ug/l	99
45) 1,4-Dioxane	7.71	88	34325	386.222	ug/l	99
46) Methyl methacrylate	7.74	41	74278	18.622	ug/l	94
47) n-amyl Acetate	10.88	43	131899	17.928	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	100505	18.281	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	104061	18.320	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	59488	18.381	ug/l	98
51) Ethyl methacrylate	9.16	69	98433	18.419	ug/l	96
52) 1,3-Dichloropropane	9.35	76	106311	19.003	ug/l	99
53) Dibromochloromethane	9.57	129	66827	18.150	ug/l	98
54) 1,2-Dibromoethane	9.65	107	64671	18.182	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	267747	92.093	ug/l	100
56) Bromoform	10.84	173	48070	17.327	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	484454	94.320	ug/l	99
59) 2-Hexanone	9.47	43	370683	93.432	ug/l	99
61) Tetrachloroethene	9.32	164	94697	18.380	ug/l	96
62) Toluene	8.76	91	255436	18.357	ug/l	100
64) Chlorobenzene	10.12	112	158556	17.896	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	59718	17.755	ug/l	99
66) Ethyl Benzene	10.24	91	287088	18.119	ug/l	100
67) m/p-Xylenes	10.34	106	218784	36.246	ug/l	98
68) o-Xylene	10.68	106	104927	18.026	ug/l	98
69) Styrene	10.70	104	175905	17.657	ug/l	100
70) Isopropylbenzene	11.00	105	279172	17.764	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	45358	15.526	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	89228m	18.857	ug/l	
73) Bromobenzene	11.24	156	71996	18.180	ug/l	100
74) n-propylbenzene	11.34	91	325106	17.810	ug/l	100
75) 2-Chlorotoluene	11.40	91	189679	17.683	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	234603	17.587	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	34935	17.171	ug/l	99
78) 4-Chlorotoluene	11.49	91	226236	17.818	ug/l	100
79) tert-butylbenzene	11.76	119	200943	17.638	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	237279	17.804	ug/l	99
81) sec-Butylbenzene	11.93	105	271545	17.672	ug/l	100
82) p-Isopropyltoluene	12.05	119	251847	17.686	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	126254	17.683	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	127566	17.981	ug/l	100
85) n-Butylbenzene	12.37	91	228768	17.588	ug/l	98
86) Hexachloroethane	12.58	117	42947	17.132	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	123403	17.871	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	22032	18.022	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	87675	17.238	ug/l	97
90) Hexachlorobutadiene	13.77	225	40335	18.452	ug/l	98
91) Naphthalene	13.82	128	292792	18.082	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	88778	18.169	ug/l	97

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

