

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092520\
 Data File : VX018595.D
 Acq On : 25 Sep 2020 15:12
 Operator : JC/SP
 Sample : VX0925WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0925WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 12:50:07 PM

Quant Time: Sep 28 02:17:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	85785	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	440402	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	416302	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	205150	30.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.03%
60) 4-Bromofluorobenzene	11.12	95	213340	29.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.57%
63) Toluene-d8	8.70	98	542064	29.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.47%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	92206	20.313	ug/l	91
3) Chloromethane	1.31	50	92720	19.230	ug/l	95
4) Vinyl Chloride	1.39	62	105561	20.791	ug/l	98
5) Bromomethane	1.64	94	55860	16.171	ug/l	100
6) Chloroethane	1.72	64	71566	23.191	ug/l	100
7) Trichlorofluoromethane	1.92	101	182245	21.181	ug/l	96
8) Diethyl Ether	2.17	74	60074	22.146	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	95337	21.686	ug/l	99
10) 1,1-Dichloroethene	2.36	96	92669	21.474	ug/l	97
11) Methyl Iodide	2.50	142	96963	22.392	ug/l	94
12) Methyl Acetate	2.75	43	129986	22.883	ug/l	94
13) Acrolein	2.28	56	22682	49.476	ug/l	98
14) Acrylonitrile	3.12	53	267629	103.977	ug/l	100
15) Acetone	2.43	58	77945	111.379	ug/l	90
16) Carbon Disulfide	2.56	76	267920	21.322	ug/l	99
17) Allyl chloride	2.71	41	167937	21.773	ug/l	95
18) Methylene Chloride	2.84	84	109785	21.676	ug/l	92
19) trans-1,2-Dichloroethene	3.15	96	100859	21.051	ug/l	96
20) Diisopropyl ether	3.82	45	338253	22.152	ug/l	92
21) 1,1-Dichloroethane	3.67	63	189321	21.601	ug/l	99
22) cis-1,2-Dichloroethene	4.57	96	118159	22.289	ug/l	97
23) tert-Butyl Alcohol	3.04	59	102782	92.148	ug/l #	100
24) Methyl tert-Butyl Ether	3.17	73	338449	22.061	ug/l	99
25) Chloroform	5.18	83	206771	22.105	ug/l	98
26) Cyclohexane	5.55	56	145652	20.589	ug/l #	47
29) 1,1-Dichloropropene	5.78	75	144302	21.465	ug/l	99
30) 2-Butanone	4.64	43	383015	104.054	ug/l	98
31) 2,2-Dichloropropane	4.55	77	183167	22.557	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	190930	21.698	ug/l	99
33) Carbon Tetrachloride	5.76	117	177335	21.628	ug/l	95
34) Benzene	6.12	78	405969	21.155	ug/l #	93
35) Methacrylonitrile	5.00	41	77295	19.926	ug/l	90
36) 1,2-Dichloroethane	6.16	62	171024	21.535	ug/l #	100
37) Trichloroethene	7.19	130	117871	21.242	ug/l	98
38) Methylcyclohexane	7.45	83	151192	21.114	ug/l	98
39) 1,2-Dichloropropane	7.49	63	108479	21.106	ug/l	100
40) Dibromomethane	7.64	93	78743	21.216	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	166314	21.621	ug/l #	99
42) Vinyl Acetate	3.79	43	1486472	108.240	ug/l	100
43) Ethyl Acetate	4.80	43	153654	20.993	ug/l	100
44) Isopropyl Acetate	6.41	43	250898	21.270	ug/l	98
45) 1,4-Dioxane	7.74	88	26981m	273.796	ug/l	
46) Methyl methacrylate	7.75	41	121383	20.909	ug/l	99
47) n-amyl Acetate	10.88	43	216660	20.903	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	178868	21.646	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	185654	21.388	ug/l	94
50) 1,1,2-Trichloroethane	9.20	97	111294	21.519	ug/l	97
51) Ethyl methacrylate	9.16	69	164577	21.967	ug/l	98
52) 1,3-Dichloropropane	9.35	76	185069	21.559	ug/l	97
53) Dibromochloromethane	9.57	129	134638	20.937	ug/l	99
54) 1,2-Dibromoethane	9.65	107	119585	21.077	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	426562	109.031	ug/l	99
56) Bromoform	10.84	173	99801	20.426	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	776805	108.488	ug/l	99
59) 2-Hexanone	9.47	43	585772	108.006	ug/l	98
61) Tetrachloroethene	9.32	164	103644	19.962	ug/l	90
62) Toluene	8.77	91	453755	21.658	ug/l	100
64) Chlorobenzene	10.12	112	291826	21.675	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	122304	22.430	ug/l	96
66) Ethyl Benzene	10.24	91	496692	21.455	ug/l	98
67) m/p-Xylenes	10.34	106	385568	43.552	ug/l	98
68) o-Xylene	10.68	106	178519	21.341	ug/l	99
69) Styrene	10.70	104	312110	21.385	ug/l	99
70) Isopropylbenzene	11.00	105	491272	21.118	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	168219	22.128	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	153499m	21.016	ug/l	
73) Bromobenzene	11.24	156	130357	20.454	ug/l	96
74) n-propylbenzene	11.34	91	569528	20.792	ug/l	99
75) 2-Chlorotoluene	11.40	91	346086	20.846	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	415669	20.510	ug/l	98
77) t-1,4-Dichloro-2-butene	11.06	75	51601	18.180	ug/l	92
78) 4-Chlorotoluene	11.49	91	411620	20.784	ug/l	100
79) tert-butylbenzene	11.76	119	415411	21.279	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	428443	21.375	ug/l	100
81) sec-Butylbenzene	11.93	105	472785	20.733	ug/l	99
82) p-Isopropyltoluene	12.05	119	439932	20.692	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	235829	20.696	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	245509	21.548	ug/l	99
85) n-Butylbenzene	12.37	91	382389	20.428	ug/l	98
86) Hexachloroethane	12.58	117	80620	19.259	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	236125	22.129	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	40268	20.706	ug/l	93
89) 1,2,4-Trichlorobenzene	13.63	180	155374	21.523	ug/l	98
90) Hexachlorobutadiene	13.77	225	70171	22.980	ug/l	95
91) Naphthalene	13.82	128	477356	21.188	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	146495	20.513	ug/l	99

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

