

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072921\
 Data File : VX023503.D
 Acq On : 28 Jul 2021 20:30
 Operator : JC/MD
 Sample : VX0729WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2021 6:17:34 PM

Quant Time: Jul 29 03:17:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X072921W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 29 03:13:17 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.910	128	36314	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	200465	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	181535	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	81315	29.484	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.267%	
60) 4-Bromofluorobenzene	11.085	95	85846	29.261	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	97.533%	
63) Toluene-d8	8.653	98	251137	30.665	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	102.233%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	37738	17.783	ug/l	100
3) Chloromethane	1.294	50	42133	17.609	ug/l	99
4) Vinyl Chloride	1.374	62	42769	17.890	ug/l	100
5) Bromomethane	1.605	94	30588	21.106	ug/l	99
6) Chloroethane	1.685	64	26815	17.998	ug/l	100
7) Trichlorofluoromethane	1.886	101	67358	17.707	ug/l	96
8) Diethyl Ether	2.136	74	24663	17.966	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	38053	17.883	ug/l	100
10) 1,1-Dichloroethene	2.319	96	36807	17.909	ug/l	88
11) Methyl Iodide	2.453	142	48862	16.954	ug/l	93
12) Methyl Acetate	2.715	43	57177	18.442	ug/l	95
13) Acrolein	2.239	56	29971	83.735	ug/l	98
14) Acrylonitrile	3.075	53	125565	90.507	ug/l	99
15) Acetone	2.386	58	34317	87.233	ug/l	97
16) Carbon Disulfide	2.514	76	83966	17.043	ug/l	99
17) Allyl chloride	2.666	41	65404	17.356	ug/l	99
18) Methylene Chloride	2.794	84	43905	17.910	ug/l	96
19) trans-1,2-Dichloroethene	3.099	96	38566	17.499	ug/l	98
20) Diisopropyl ether	3.770	45	133851	17.605	ug/l	100
21) 1,1-Dichloroethane	3.617	63	73817	17.888	ug/l	99
22) cis-1,2-Dichloroethene	4.501	96	45435	17.437	ug/l	98
23) tert-Butyl Alcohol	2.971	59	56150	91.898	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	128905	17.616	ug/l	99
25) Chloroform	5.105	83	75288	17.632	ug/l	99
26) Cyclohexane	5.483	56	66558	17.414	ug/l #	98
29) 1,1-Dichloropropene	5.696	75	54458	17.748	ug/l	99
30) 2-Butanone	4.568	43	182878	90.923	ug/l	100
31) 2,2-Dichloropropane	4.489	77	51116	15.392	ug/l #	78
32) 1,1,1-Trichloroethane	5.391	97	63778	17.647	ug/l	98
33) Carbon Tetrachloride	5.684	117	53903	17.204	ug/l	99
34) Benzene	6.050	78	164158	18.032	ug/l	98
35) Methacrylonitrile	4.934	41	35782	17.624	ug/l	96
36) 1,2-Dichloroethane	6.098	62	61236	17.761	ug/l	99
37) Trichloroethene	7.129	130	44298	17.932	ug/l	93
38) Methylcyclohexane	7.385	83	67914	17.505	ug/l	99
39) 1,2-Dichloropropane	7.440	63	41833	17.583	ug/l	99
40) Dibromomethane	7.586	93	29596	17.971	ug/l	98
41) Bromodichloromethane	7.830	83	51540	17.269	ug/l	93
42) Vinyl Acetate	3.733	43	593389	89.987	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	70690	18.505	ug/l	98
44) Isopropyl Acetate	6.355	43	106498	17.613	ug/l	100
45) 1,4-Dioxane	7.665	88	23230	376.364	ug/l	96
46) Methyl methacrylate	7.702	41	50512	17.368	ug/l	94
47) n-amyl Acetate	10.848	43	91004	17.969	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	57801	16.578	ug/l	98
49) cis-1,3-Dichloropropene	8.372	75	63349	17.006	ug/l	96
50) 1,1,2-Trichloroethane	9.159	97	43503	17.980	ug/l	98
51) Ethyl methacrylate	9.122	69	66746	17.112	ug/l	96
52) 1,3-Dichloropropane	9.311	76	72766	18.113	ug/l	100
53) Dibromochloromethane	9.525	129	39556	16.830	ug/l	98
54) 1,2-Dibromoethane	9.616	107	45633	17.805	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	179154	92.754	ug/l	99
56) Bromoform	10.805	173	27608	16.622	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	357486	94.176	ug/l	99
59) 2-Hexanone	9.433	43	281547	95.955	ug/l	99
61) Tetrachloroethene	9.275	164	44950	18.979	ug/l	92
62) Toluene	8.720	91	181285	18.060	ug/l	100
64) Chlorobenzene	10.086	112	113108	18.093	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	40646	18.159	ug/l	98
66) Ethyl Benzene	10.195	91	199637	18.005	ug/l	100
67) m/p-Xylenes	10.305	106	152697	36.194	ug/l	99
68) o-Xylene	10.646	106	76568	18.262	ug/l	98
69) Styrene	10.659	104	124045	18.260	ug/l	98
70) Isopropylbenzene	10.963	105	198212	18.153	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	66567	19.011	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	61318m	18.828	ug/l	
73) Bromobenzene	11.201	156	48022	17.727	ug/l	97
74) n-propylbenzene	11.305	91	224346	17.797	ug/l	100
75) 2-Chlorotoluene	11.366	91	135491	17.938	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	163367	17.983	ug/l	98
77) t-1,4-Dichloro-2-butene	11.024	75	18534	16.354	ug/l	100
78) 4-Chlorotoluene	11.457	91	152637	18.001	ug/l	100
79) tert-butylbenzene	11.719	119	159169	18.004	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	164681	18.397	ug/l	99
81) sec-Butylbenzene	11.896	105	199234	17.635	ug/l	100
82) p-Isopropyltoluene	12.012	119	164956	17.686	ug/l	100
83) 1,3-Dichlorobenzene	11.975	146	88704	18.487	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	85924	18.018	ug/l	98
85) n-Butylbenzene	12.335	91	141784	17.191	ug/l	99
86) Hexachloroethane	12.542	117	24278	16.526	ug/l	99
87) 1,2-Dichlorobenzene	12.341	146	84667	18.332	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	12689	16.829	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	48926	17.052	ug/l	99
90) Hexachlorobutadiene	13.725	225	22639	17.711	ug/l	99
91) Naphthalene	13.780	128	176378	17.679	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	51409	17.706	ug/l	98

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

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