

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032621\
 Data File : VX021531.D
 Acq On : 26 Mar 2021 13:51
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX032621

Manual Integrations
 APPROVED

SAM

Quant Time: Mar 27 04:50:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032621W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 27 04:47:38 2021
 Response via : Initial Calibration

3/30/2021 7:13:14 PM

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

Internal Standards						
1) Bromochloromethane	4.976	128	14042	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	75838	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	72213	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	38817	29.60	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.67%			
60) 4-Bromofluorobenzene	11.118	95	38553	30.36	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.20%			
63) Toluene-d8	8.694	98	97432	30.03	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	24167	18.50	ug/l	99
3) Chloromethane	1.311	50	21576	18.09	ug/l	99
4) Vinyl Chloride	1.393	62	18592	17.53	ug/l	96
5) Bromomethane	1.623	94	8434	19.78	ug/l	97
6) Chloroethane	1.705	64	11056	17.47	ug/l	97
7) Trichlorofluoromethane	1.911	101	28513	17.91	ug/l	98
8) Diethyl Ether	2.170	74	9431	18.01	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.364	101	16181	18.33	ug/l	95
10) 1,1-Dichloroethene	2.352	96	14354	17.16	ug/l	86
11) Methyl Iodide	2.487	142	11459	16.44	ug/l	87
12) Methyl Acetate	2.746	43	32442	18.97	ug/l	90
13) Acrolein	2.276	56	13701	85.00	ug/l	99
14) Acrylonitrile	3.117	53	47398	88.94	ug/l	99
15) Acetone	2.423	58	12724	90.12	ug/l #	68
16) Carbon Disulfide	2.546	76	40999	17.54	ug/l	98
17) Allyl chloride	2.705	41	29001	17.87	ug/l	89
18) Methylene Chloride	2.835	84	17842	18.05	ug/l	87
19) trans-1,2-Dichloroethene	3.140	96	15966	17.67	ug/l #	83
20) Diisopropyl ether	3.823	45	57638	17.78	ug/l	94
21) 1,1-Dichloroethane	3.664	63	30818	17.49	ug/l	97
22) cis-1,2-Dichloroethene	4.558	96	18315	17.53	ug/l	92
23) tert-Butyl Alcohol	3.017	59	19247	85.09	ug/l #	100
24) Methyl tert-Butyl Ether	3.170	73	55668	18.18	ug/l #	88
25) Chloroform	5.176	83	32868	17.55	ug/l	96
26) Cyclohexane	5.541	56	26959	17.71	ug/l #	90
29) 1,1-Dichloropropene	5.764	75	22970	17.95	ug/l	96
30) 2-Butanone	4.635	43	68978	92.24	ug/l	92
31) 2,2-Dichloropropane	4.547	77	25749	18.04	ug/l	97
32) 1,1,1-Trichloroethane	5.464	97	28197	17.83	ug/l	94
33) Carbon Tetrachloride	5.747	117	25140	17.94	ug/l	99
34) Benzene	6.106	78	66630	18.25	ug/l	97
35) Methacrylonitrile	5.005	41	15046	18.30	ug/l	87
36) 1,2-Dichloroethane	6.158	62	29319	18.76	ug/l #	94
37) Trichloroethene	7.182	130	16905	17.84	ug/l	99
38) Methylcyclohexane	7.435	83	26009	18.35	ug/l	93
39) 1,2-Dichloropropane	7.488	63	18188	18.67	ug/l	92
40) Dibromomethane	7.635	93	13473	18.94	ug/l	92
41) Bromodichloromethane	7.876	83	26938	18.41	ug/l	94
42) Vinyl Acetate	3.782	43	235754	91.80	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.788	43	26975	18.94	ug/l	99
44) Isopropyl Acetate	6.411	43	43134	18.09	ug/l	91
45) 1,4-Dioxane	7.712	88	8819	371.86	ug/l #	84
46) Methyl methacrylate	7.741	41	24050	18.40	ug/l	83
47) n-amyl Acetate	10.877	43	37554	18.22	ug/l	92
48) t-1,3-Dichloropropene	9.018	75	26748	18.13	ug/l	98
49) cis-1,3-Dichloropropene	8.412	75	28471	18.02	ug/l #	84
50) 1,1,2-Trichloroethane	9.194	97	17894	18.73	ug/l	97
51) Ethyl methacrylate	9.159	69	25065	17.95	ug/l #	78
52) 1,3-Dichloropropane	9.353	76	30319	18.56	ug/l	98
53) Dibromochloromethane	9.565	129	19242	17.66	ug/l	96
54) 1,2-Dibromoethane	9.653	107	18607	18.14	ug/l	95
55) 2-Chloroethyl vinyl ether	8.288	63	72544	93.40	ug/l	97
56) Bromoform	10.836	173	13777	17.91	ug/l	98
58) 4-Methyl-2-Pentanone	8.618	43	138753	91.03	ug/l #	89
59) 2-Hexanone	9.471	43	104263	91.07	ug/l	88
61) Tetrachloroethene	9.318	164	15717	17.93	ug/l	97
62) Toluene	8.765	91	72897	17.93	ug/l	99
64) Chlorobenzene	10.118	112	44803	18.07	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.200	131	17860	18.21	ug/l	97
66) Ethyl Benzene	10.235	91	81514	17.92	ug/l	100
67) m/p-Xylenes	10.341	106	60003	35.88	ug/l	94
68) o-Xylene	10.683	106	29123	18.02	ug/l	93
69) Styrene	10.694	104	47986	17.76	ug/l	94
70) Isopropylbenzene	11.000	105	79552	18.06	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.253	83	28012	18.57	ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	27961m	19.38	ug/l	
73) Bromobenzene	11.236	156	19248	18.11	ug/l	93
74) n-propylbenzene	11.342	91	92095	17.81	ug/l	98
75) 2-Chlorotoluene	11.400	91	56520	17.96	ug/l	98
76) 1,3,5-Trimethylbenzene	11.489	105	68582	18.26	ug/l	98
77) t-1,4-Dichloro-2-butene	11.059	75	7767	16.86	ug/l	87
78) 4-Chlorotoluene	11.494	91	66611	18.15	ug/l	97
79) tert-butylbenzene	11.753	119	63608	17.81	ug/l	94
80) 1,2,4-Trimethylbenzene	11.789	105	69300	18.46	ug/l	97
81) sec-Butylbenzene	11.930	105	75869	18.29	ug/l	99
82) p-Isopropyltoluene	12.047	119	66291	17.51	ug/l	96
83) 1,3-Dichlorobenzene	12.006	146	34807	18.28	ug/l	99
84) 1,4-Dichlorobenzene	12.083	146	35330	18.54	ug/l	98
85) n-Butylbenzene	12.371	91	59926	17.77	ug/l	97
86) Hexachloroethane	12.577	117	11363	17.04	ug/l	97
87) 1,2-Dichlorobenzene	12.371	146	34492	18.39	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.983	75	6417	18.18	ug/l #	81
89) 1,2,4-Trichlorobenzene	13.630	180	21167	17.94	ug/l	99
90) Hexachlorobutadiene	13.765	225	9347	18.74	ug/l	97
91) Naphthalene	13.818	128	71114	18.10	ug/l	100
92) 1,2,3-Trichlorobenzene	14.001	180	21130	17.92	ug/l	99

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

