

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033219.D
 Acq On : 05 Dec 2022 12:06
 Operator : JC/MD
 Sample : VX1205WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1205WBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/06/2022
 Supervised By :Mahesh Dadoda 12/06/2022

Quant Time: Dec 06 05:40:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	10076	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	73521	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	80160	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	29474	30.321	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.067%			
60) 4-Bromofluorobenzene	11.079	95	44477	29.006	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.700%			
63) Toluene-d8	8.646	98	81210	30.020	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.067%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17003	19.067	ug/l	99
3) Chloromethane	1.294	50	18244	20.617	ug/l	95
4) Vinyl Chloride	1.373	62	21124	21.111	ug/l	98
5) Bromomethane	1.617	94	14909	16.783	ug/l	95
6) Chloroethane	1.690	64	17653	22.336	ug/l	90
7) Trichlorofluoromethane	1.892	101	44243	22.937	ug/l	99
8) Diethyl Ether	2.135	74	14467	23.198	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.331	101	22595	22.022	ug/l	99
10) 1,1-Dichloroethene	2.324	96	20970	21.394	ug/l	94
11) Methyl Iodide	2.452	142	21825	20.711	ug/l	96
12) Methyl Acetate	2.708	43	28011	19.291	ug/l #	88
13) Acrolein	2.239	56	19962	103.096	ug/l	97
14) Acrylonitrile	3.068	53	49028	94.191	ug/l	98
15) Acetone	2.391	58	17738	131.051	ug/l	88
16) Carbon Disulfide	2.513	76	57186	23.436	ug/l	99
17) Allyl chloride	2.666	41	32849	21.091	ug/l	93
18) Methylene Chloride	2.788	84	23185	20.510	ug/l #	86
19) trans-1,2-Dichloroethene	3.093	96	22746	21.066	ug/l #	85
20) Diisopropyl ether	3.757	45	71577	20.495	ug/l #	89
21) 1,1-Dichloroethane	3.611	63	41246	21.038	ug/l	96
22) cis-1,2-Dichloroethene	4.489	96	26390	20.932	ug/l	88
23) tert-Butyl Alcohol	3.007	59	17990m	106.445	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	69537	19.812	ug/l	93
25) Chloroform	5.092	83	46446	21.241	ug/l	98
26) Cyclohexane	5.476	56	35631	20.811	ug/l #	86
29) 1,1-Dichloropropene	5.696	75	32701	20.055	ug/l	95
30) 2-Butanone	4.568	43	74746	98.312	ug/l	91
31) 2,2-Dichloropropane	4.476	77	33660	24.137	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	41938	20.447	ug/l	94
33) Carbon Tetrachloride	5.677	117	39249	21.794	ug/l	99
34) Benzene	6.037	78	93466	20.344	ug/l #	97
35) Methacrylonitrile	4.922	41	16592	19.268	ug/l	90
36) 1,2-Dichloroethane	6.086	62	37593	19.876	ug/l #	93
37) Trichloroethene	7.122	130	26212	20.394	ug/l	95
38) Methylcyclohexane	7.378	83	37485	20.518	ug/l	89
39) 1,2-Dichloropropane	7.433	63	23048	19.819	ug/l	93
40) Dibromomethane	7.580	93	18127	20.416	ug/l	97
41) Bromodichloromethane	7.823	83	37703	22.278	ug/l	95
42) Vinyl Acetate	3.721	43	261754	89.598	ug/l #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	26059	17.038	ug/l #	87
44) Isopropyl Acetate	6.342	43	46470	18.131	ug/l	94
45) 1,4-Dioxane	7.714	88	10730	435.849	ug/l #	83
46) Methyl methacrylate	7.695	41	23060	17.872	ug/l	83
47) n-amyl Acetate	10.841	43	39305	17.250	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	35953	20.708	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	38751	21.137	ug/l #	89
50) 1,1,2-Trichloroethane	9.152	97	24731	20.258	ug/l	94
51) Ethyl methacrylate	9.116	69	32061	17.585	ug/l	83
52) 1,3-Dichloropropane	9.311	76	41174	20.629	ug/l	100
53) Dibromochloromethane	9.524	129	31045	23.384	ug/l	100
54) 1,2-Dibromoethane	9.610	107	27045	20.567	ug/l	97
55) 2-Chloroethyl vinyl ether	8.238	63	78452	89.041	ug/l	94
56) Bromoform	10.799	173	22548	23.722	ug/l	99
58) 4-Methyl-2-Pentanone	8.573	43	147752	94.158	ug/l #	91
59) 2-Hexanone	9.433	43	115170	99.684	ug/l	91
61) Tetrachloroethene	9.274	164	23186	20.697	ug/l	90
62) Toluene	8.720	91	106422	20.414	ug/l	99
64) Chlorobenzene	10.079	112	67198	20.850	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.164	131	27429	22.341	ug/l	99
66) Ethyl Benzene	10.195	91	122750	20.989	ug/l	95
67) m/p-Xylenes	10.299	106	96308	42.323	ug/l	91
68) o-Xylene	10.640	106	46033	20.617	ug/l	92
69) Styrene	10.658	104	76485	20.605	ug/l	96
70) Isopropylbenzene	10.963	105	124400	20.864	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	37952	20.989	ug/l	98
72) 1,2,3-Trichloropropane	11.237	75	29517m	18.796	ug/l	
73) Bromobenzene	11.201	156	29579	20.421	ug/l	88
74) n-propylbenzene	11.305	91	142966	21.103	ug/l	95
75) 2-Chlorotoluene	11.365	91	85097	20.747	ug/l	95
76) 1,3,5-Trimethylbenzene	11.451	105	107760	21.379	ug/l	95
77) t-1,4-Dichloro-2-butene	11.018	75	10952	22.854	ug/l	98
78) 4-Chlorotoluene	11.457	91	98271	20.799	ug/l	94
79) tert-butylbenzene	11.713	119	102735	20.973	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	104320	21.168	ug/l	94
81) sec-Butylbenzene	11.890	105	127138	21.559	ug/l	95
82) p-Isopropyltoluene	12.012	119	106147	21.358	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	56781	21.367	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	56380	21.127	ug/l	99
85) n-Butylbenzene	12.335	91	89941	21.352	ug/l	95
86) Hexachloroethane	12.536	117	20022	24.540	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	56132	21.248	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.944	75	8152	21.250	ug/l	84
89) 1,2,4-Trichlorobenzene	13.591	180	33621	20.723	ug/l	97
90) Hexachlorobutadiene	13.725	225	14815	22.687	ug/l	98
91) Naphthalene	13.774	128	110735	20.222	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	34307	21.024	ug/l	96

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

