

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033220.D
 Acq On : 05 Dec 2022 12:45
 Operator : JC/MD
 Sample : VX1205WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1205WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Dec 06 05:40:44 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	4.898	128	10333	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	70717	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	79693	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	29809	29.903	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.667%	
60) 4-Bromofluorobenzene	11.079	95	45698	29.977	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.933%	
63) Toluene-d8	8.647	98	80287	29.852	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17071	18.667	ug/l	95
3) Chloromethane	1.295	50	17780	19.593	ug/l	93
4) Vinyl Chloride	1.374	62	20080	19.569	ug/l	98
5) Bromomethane	1.618	94	15011	16.478	ug/l	99
6) Chloroethane	1.691	64	17326	21.377	ug/l	89
7) Trichlorofluoromethane	1.892	101	42892	21.684	ug/l	98
8) Diethyl Ether	2.130	74	14688	22.966	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	21796	20.715	ug/l	98
10) 1,1-Dichloroethene	2.319	96	20510	20.404	ug/l	88
11) Methyl Iodide	2.453	142	21837	20.207	ug/l	97
12) Methyl Acetate	2.703	43	29535	19.835	ug/l #	87
13) Acrolein	2.239	56	20136	101.408	ug/l	99
14) Acrylonitrile	3.069	53	53268	99.792	ug/l	99
15) Acetone	2.392	58	16390	118.080	ug/l	85
16) Carbon Disulfide	2.514	76	55339	22.115	ug/l	100
17) Allyl chloride	2.666	41	32680	20.461	ug/l	93
18) Methylene Chloride	2.788	84	23571	20.333	ug/l	89
19) trans-1,2-Dichloroethene	3.093	96	21951	19.824	ug/l	86
20) Diisopropyl ether	3.757	45	71045	19.837	ug/l #	84
21) 1,1-Dichloroethane	3.605	63	40106	19.948	ug/l	95
22) cis-1,2-Dichloroethene	4.483	96	26389	20.411	ug/l	88
23) tert-Butyl Alcohol	3.002	59	19432	112.117	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	72171	20.051	ug/l	95
25) Chloroform	5.093	83	45869	20.455	ug/l	100
26) Cyclohexane	5.471	56	34578	19.694	ug/l #	86
29) 1,1-Dichloropropene	5.690	75	31973	20.386	ug/l	96
30) 2-Butanone	4.562	43	75765	103.604	ug/l	91
31) 2,2-Dichloropropane	4.471	77	32125	23.950	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	41514	21.043	ug/l	95
33) Carbon Tetrachloride	5.678	117	37820	21.833	ug/l	97
34) Benzene	6.038	78	91889	20.794	ug/l	97
35) Methacrylonitrile	4.922	41	16398	19.798	ug/l	91
36) 1,2-Dichloroethane	6.086	62	37449	20.585	ug/l #	94
37) Trichloroethene	7.123	130	25507	20.632	ug/l	88
38) Methylcyclohexane	7.379	83	37534	21.359	ug/l	89
39) 1,2-Dichloropropane	7.428	63	23175	20.718	ug/l	94
40) Dibromomethane	7.580	93	18533	21.701	ug/l	97
41) Bromodichloromethane	7.818	83	37199	22.852	ug/l	96
42) Vinyl Acetate	3.721	43	268998	95.729	ug/l #	91

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43) Ethyl Acetate	4.715	43	28465	19.350	ug/l	#	86
44) Isopropyl Acetate	6.342	43	47264	19.172	ug/l		95
45) 1,4-Dioxane	7.702	88	11415	482.059	ug/l	#	89
46) Methyl methacrylate	7.690	41	24397	19.658	ug/l		81
47) n-amyl Acetate	10.842	43	40543	18.499	ug/l		98
48) t-1,3-Dichloropropene	8.976	75	37057	22.190	ug/l		98
49) cis-1,3-Dichloropropene	8.366	75	39787	22.563	ug/l	#	90
50) 1,1,2-Trichloroethane	9.153	97	25372	21.607	ug/l		97
51) Ethyl methacrylate	9.116	69	33699	19.216	ug/l		83
52) 1,3-Dichloropropane	9.305	76	41100	21.409	ug/l		98
53) Dibromochloromethane	9.519	129	30488	23.875	ug/l		98
54) 1,2-Dibromoethane	9.610	107	26988	21.337	ug/l		99
55) 2-Chloroethyl vinyl ether	8.238	63	81418	96.071	ug/l		93
56) Bromoform	10.799	173	23227	25.405	ug/l		98
58) 4-Methyl-2-Pentanone	8.574	43	155386	99.603	ug/l	#	91
59) 2-Hexanone	9.427	43	114890	100.024	ug/l		93
61) Tetrachloroethene	9.275	164	23542	21.138	ug/l		97
62) Toluene	8.720	91	106023	20.457	ug/l		98
64) Chlorobenzene	10.079	112	69328	21.637	ug/l		98
65) 1,1,1,2-Tetrachloroethane	10.159	131	26003	21.304	ug/l		97
66) Ethyl Benzene	10.195	91	121696	20.931	ug/l		98
67) m/p-Xylenes	10.299	106	95125	42.048	ug/l		90
68) o-Xylene	10.640	106	46499	20.948	ug/l		92
69) Styrene	10.653	104	77777	21.075	ug/l		96
70) Isopropylbenzene	10.964	105	123713	20.870	ug/l		97
71) 1,1,2,2-Tetrachloroethane	11.213	83	38995	21.692	ug/l		98
72) 1,2,3-Trichloropropane	11.238	75	31934m	20.454	ug/l		
73) Bromobenzene	11.201	156	30882	21.445	ug/l		90
74) n-propylbenzene	11.305	91	144857	21.508	ug/l		94
75) 2-Chlorotoluene	11.366	91	86654	21.250	ug/l		93
76) 1,3,5-Trimethylbenzene	11.451	105	105841	21.121	ug/l		97
77) t-1,4-Dichloro-2-butene	11.018	75	11379	23.884	ug/l		96
78) 4-Chlorotoluene	11.451	91	99437	21.169	ug/l		94
79) tert-butylbenzene	11.713	119	104842	21.529	ug/l		96
80) 1,2,4-Trimethylbenzene	11.750	105	104614	21.352	ug/l		94
81) sec-Butylbenzene	11.890	105	128593	21.933	ug/l		95
82) p-Isopropyltoluene	12.012	119	107767	21.811	ug/l		97
83) 1,3-Dichlorobenzene	11.969	146	57035	21.588	ug/l		98
84) 1,4-Dichlorobenzene	12.043	146	58381	22.005	ug/l		99
85) n-Butylbenzene	12.335	91	91052	21.742	ug/l		95
86) Hexachloroethane	12.536	117	20622	25.424	ug/l		97
87) 1,2-Dichlorobenzene	12.335	146	55955	21.305	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8532	22.371	ug/l	#	82
89) 1,2,4-Trichlorobenzene	13.591	180	34380	21.315	ug/l		99
90) Hexachlorobutadiene	13.725	225	14772	22.754	ug/l		98
91) Naphthalene	13.774	128	112264	20.621	ug/l		99
92) 1,2,3-Trichlorobenzene	13.963	180	34244	21.109	ug/l		98

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

