

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081624\
 Data File : VX043063.D
 Acq On : 16 Aug 2024 09:07
 Operator : JC/MD
 Sample : VX0816WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/19/2024
 Supervised By :Semsettin Yesilyurt 08/19/2024

Quant Time: Aug 16 23:51:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	22113	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	126731	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	112792	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	50349	28.128	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.767%		
60) 4-Bromofluorobenzene	11.079	95	52654	27.499	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	91.667%		
63) Toluene-d8	8.647	98	153699	29.664	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.867%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22661	17.981	ug/l	97
3) Chloromethane	1.300	50	33293	17.563	ug/l	98
4) Vinyl Chloride	1.374	62	33221	18.674	ug/l	99
5) Bromomethane	1.599	94	12087	26.102	ug/l	97
6) Chloroethane	1.666	64	13315	28.348	ug/l	97
7) Trichlorofluoromethane	1.874	101	38600	23.167	ug/l	100
8) Diethyl Ether	2.136	74	18203	23.005	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	24597	16.689	ug/l	96
10) 1,1-Dichloroethene	2.313	96	26153	17.163	ug/l	90
11) Methyl Iodide	2.447	142	27879	16.511	ug/l	93
12) Methyl Acetate	2.709	43	48079	17.466	ug/l	99
13) Acrolein	2.239	56	31441	69.439	ug/l	96
14) Acrylonitrile	3.068	53	87817	83.711	ug/l	99
15) Acetone	2.392	58	23847	81.777	ug/l	79
16) Carbon Disulfide	2.502	76	70487	15.650	ug/l	99
17) Allyl chloride	2.660	41	50058	16.708	ug/l	95
18) Methylene Chloride	2.788	84	30461	17.264	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	27377	17.104	ug/l	97
20) Diisopropyl ether	3.763	45	98972	16.902	ug/l	95
21) 1,1-Dichloroethane	3.605	63	51213	16.366	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	32600	16.998	ug/l	97
23) tert-Butyl Alcohol	2.989	59	35479	77.953	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	90429	16.813	ug/l	100
25) Chloroform	5.093	83	49734	17.082	ug/l	94
26) Cyclohexane	5.470	56	44319	15.419	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	34263	17.578	ug/l	99
30) 2-Butanone	4.568	43	122357	87.794	ug/l	99
31) 2,2-Dichloropropane	4.465	77	41848	17.318	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	42759	18.223	ug/l	99
33) Carbon Tetrachloride	5.672	117	35182	18.329	ug/l	94
34) Benzene	6.037	78	113796	17.637	ug/l	98
35) Methacrylonitrile	4.928	41	25753	17.726	ug/l	94
36) 1,2-Dichloroethane	6.086	62	35784	17.976	ug/l #	95
37) Trichloroethene	7.123	130	26805	18.462	ug/l	98
38) Methylcyclohexane	7.379	83	45009	16.854	ug/l	98
39) 1,2-Dichloropropane	7.434	63	28174	17.617	ug/l	97
40) Dibromomethane	7.580	93	19216	17.860	ug/l	98
41) Bromodichloromethane	7.824	83	38335	17.852	ug/l	100
42) Vinyl Acetate	3.721	43	582880	92.055	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	45338	17.008	ug/l	99
44) Isopropyl Acetate	6.348	43	75646	17.418	ug/l	98
45) 1,4-Dioxane	7.671	88	15397m	367.252	ug/l	
46) Methyl methacrylate	7.696	41	34567	16.850	ug/l	94
47) n-amyl Acetate	10.841	43	62894	16.403	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	40181	16.864	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	43926	16.893	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	26970	18.194	ug/l	97
51) Ethyl methacrylate	9.116	69	47973	17.041	ug/l	96
52) 1,3-Dichloropropane	9.311	76	46641	17.933	ug/l	99
53) Dibromochloromethane	9.519	129	29571	18.368	ug/l	99
54) 1,2-Dibromoethane	9.610	107	28043	18.228	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	113847	88.270	ug/l	99
56) Bromoform	10.799	173	20442	18.175	ug/l	96
58) 4-Methyl-2-Pentanone	8.574	43	239866	91.960	ug/l	99
59) 2-Hexanone	9.433	43	185004	90.847	ug/l	99
61) Tetrachloroethene	9.269	164	23503	19.754	ug/l	95
62) Toluene	8.720	91	117668	18.263	ug/l	97
64) Chlorobenzene	10.079	112	73145	18.513	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	25051	18.668	ug/l	96
66) Ethyl Benzene	10.195	91	127983	18.278	ug/l	98
67) m/p-Xylenes	10.299	106	99072	37.835	ug/l	94
68) o-Xylene	10.640	106	49335	18.627	ug/l	98
69) Styrene	10.652	104	81480	18.461	ug/l	97
70) Isopropylbenzene	10.963	105	122457	18.637	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	43810	17.997	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	34819m	16.712	ug/l	
73) Bromobenzene	11.195	156	29431	19.501	ug/l	99
74) n-propylbenzene	11.305	91	140314	18.096	ug/l	99
75) 2-Chlorotoluene	11.366	91	86016	17.934	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	100486	18.750	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	15031	15.454	ug/l	97
78) 4-Chlorotoluene	11.451	91	92932	17.846	ug/l	100
79) tert-butylbenzene	11.713	119	102009	18.688	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	100554	18.405	ug/l	96
81) sec-Butylbenzene	11.890	105	125671	18.227	ug/l	100
82) p-Isopropyltoluene	12.006	119	102098	18.299	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	52177	18.764	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	52064	18.699	ug/l	99
85) n-Butylbenzene	12.329	91	84794	17.069	ug/l	99
86) Hexachloroethane	12.536	117	19805	16.971	ug/l	92
87) 1,2-Dichlorobenzene	12.335	146	54013	19.532	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	9063	16.016	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	29219	17.856	ug/l	98
90) Hexachlorobutadiene	13.725	225	11139	18.262	ug/l	96
91) Naphthalene	13.774	128	116743	18.256	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	31222	18.705	ug/l	98

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

