

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
 Data File : VX029974.D
 Acq On : 08 Jul 2022 15:42
 Operator : JC/MD
 Sample : VX0708WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2022
 Supervised By : Mahesh Dadoda 07/11/2022

Quant Time: Jul 09 02:18:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jul 09 02:10:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	28960	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	148558	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	131483	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	65818	27.872	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.900%		
60) 4-Bromofluorobenzene	11.085	95	73668	29.730	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.100%		
63) Toluene-d8	8.653	98	213230	29.908	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	34025	17.182	ug/l	98
3) Chloromethane	1.288	50	38951	18.862	ug/l	98
4) Vinyl Chloride	1.374	62	38804	16.583	ug/l	100
5) Bromomethane	1.605	94	18999	19.707	ug/l	95
6) Chloroethane	1.685	64	23483	18.739	ug/l	100
7) Trichlorofluoromethane	1.886	101	49615	16.727	ug/l	100
8) Diethyl Ether	2.136	74	23507	18.632	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	33675	16.861	ug/l	98
10) 1,1-Dichloroethene	2.319	96	34366	16.851	ug/l	90
11) Methyl Iodide	2.453	142	26906	19.670	ug/l	90
12) Methyl Acetate	2.703	43	68390	20.591	ug/l	92
13) Acrolein	2.239	56	37543	96.218	ug/l	100
14) Acrylonitrile	3.069	53	149875	104.846	ug/l	98
15) Acetone	2.386	58	41557	107.024	ug/l	81
16) Carbon Disulfide	2.514	76	87356	16.409	ug/l	99
17) Allyl chloride	2.666	41	65581	18.247	ug/l	95
18) Methylene Chloride	2.788	84	44517	18.736	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	38350	17.328	ug/l	94
20) Diisopropyl ether	3.764	45	133534	18.547	ug/l	89
21) 1,1-Dichloroethane	3.611	63	68745	17.736	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	47409	18.040	ug/l	98
23) tert-Butyl Alcohol	2.971	59	69122	105.552	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	129164	19.632	ug/l	100
25) Chloroform	5.105	83	70102	18.148	ug/l	99
26) Cyclohexane	5.471	56	60265	16.781	ug/l #	93
29) 1,1-Dichloropropene	5.696	75	48884	19.236	ug/l	88
30) 2-Butanone	4.562	43	204189	119.038	ug/l	99
31) 2,2-Dichloropropane	4.477	77	42889	17.658	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	53307	19.508	ug/l	98
33) Carbon Tetrachloride	5.678	117	43046	18.756	ug/l	98
34) Benzene	6.044	78	166922	20.439	ug/l	97
35) Methacrylonitrile	4.916	41	39232	22.596	ug/l	96
36) 1,2-Dichloroethane	6.092	62	53706	21.603	ug/l #	93
37) Trichloroethene	7.129	130	44217	20.245	ug/l	99
38) Methylcyclohexane	7.379	83	63632	19.297	ug/l	96
39) 1,2-Dichloropropane	7.434	63	43706	21.023	ug/l	99
40) Dibromomethane	7.586	93	30804	21.860	ug/l	94
41) Bromodichloromethane	7.824	83	52110	20.701	ug/l	96
42) Vinyl Acetate	3.727	43	622819	113.538	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
 Data File : VX029974.D
 Acq On : 08 Jul 2022 15:42
 Operator : JC/MD
 Sample : VX0708WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2022
 Supervised By : Mahesh Dadoda 07/11/2022

Quant Time: Jul 09 02:18:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jul 09 02:10:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	74968	23.202	ug/l	100
44) Isopropyl Acetate	6.348	43	110549	22.522	ug/l	100
45) 1,4-Dioxane	7.671	88	28440	493.557	ug/l	95
46) Methyl methacrylate	7.696	41	54884	23.594	ug/l	98
47) n-amyl Acetate	10.848	43	88134	20.901	ug/l	97
48) t-1,3-Dichloropropene	8.982	75	56088	20.162	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	64911	20.780	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	44613	21.370	ug/l	93
51) Ethyl methacrylate	9.116	69	72397	22.285	ug/l	98
52) 1,3-Dichloropropane	9.311	76	72907	21.710	ug/l	99
53) Dibromochloromethane	9.525	129	40393	20.904	ug/l	100
54) 1,2-Dibromoethane	9.610	107	47217	21.780	ug/l	98
55) 2-Chloroethyl vinyl ether	8.245	63	189862	113.373	ug/l	96
56) Bromoform	10.799	173	28411	21.004	ug/l	96
58) 4-Methyl-2-Pentanone	8.574	43	378208	116.452	ug/l	98
59) 2-Hexanone	9.433	43	293831	116.972	ug/l	98
61) Tetrachloroethene	9.275	164	39686	20.103	ug/l	96
62) Toluene	8.720	91	176140	20.139	ug/l	97
64) Chlorobenzene	10.080	112	107273	20.537	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	38217	20.982	ug/l	91
66) Ethyl Benzene	10.195	91	184512	19.851	ug/l	99
67) m/p-Xylenes	10.305	106	145243	40.270	ug/l	96
68) o-Xylene	10.647	106	73166	20.371	ug/l	96
69) Styrene	10.659	104	119948	20.181	ug/l	96
70) Isopropylbenzene	10.964	105	179536	19.854	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	73983	22.498	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	65336m	22.103	ug/l	
73) Bromobenzene	11.201	156	44143	20.357	ug/l	93
74) n-propylbenzene	11.305	91	210832	19.435	ug/l	98
75) 2-Chlorotoluene	11.366	91	124699	19.521	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	148761	19.593	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	20767	20.426	ug/l	85
78) 4-Chlorotoluene	11.457	91	141124	19.684	ug/l	98
79) tert-butylbenzene	11.719	119	139407	18.874	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	150022	19.220	ug/l	97
81) sec-Butylbenzene	11.890	105	189549	18.959	ug/l	98
82) p-Isopropyltoluene	12.012	119	151217	18.788	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	83558	19.917	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	81621	19.183	ug/l	99
85) n-Butylbenzene	12.335	91	134955	17.868	ug/l	97
86) Hexachloroethane	12.543	117	22916	17.137	ug/l	93
87) 1,2-Dichlorobenzene	12.335	146	83506	20.157	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	15700	20.935	ug/l	96
89) 1,2,4-Trichlorobenzene	13.591	180	51561	20.101	ug/l	98
90) Hexachlorobutadiene	13.725	225	19175	19.712	ug/l	97
91) Naphthalene	13.780	128	213040	20.837	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	52573	20.122	ug/l	100

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

