

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX029995.D
 Acq On : 11 Jul 2022 14:10
 Operator : JC/MD
 Sample : VX0711WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/12/2022
 Supervised By :Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 01:23:52 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	4.910	128	29980	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	170419	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	151059	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	68097	27.856	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.867%		
60) 4-Bromofluorobenzene	11.085	95	81867	28.758	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.867%		
63) Toluene-d8	8.653	98	239084	29.188	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	38239	18.653	ug/l	99
3) Chloromethane	1.288	50	38179	17.859	ug/l	94
4) Vinyl Chloride	1.374	62	42498	17.544	ug/l	99
5) Bromomethane	1.605	94	18376	18.412	ug/l	85
6) Chloroethane	1.685	64	23927	18.444	ug/l	100
7) Trichlorofluoromethane	1.886	101	55608	18.109	ug/l	95
8) Diethyl Ether	2.136	74	22712	17.390	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	37125	17.956	ug/l	99
10) 1,1-Dichloroethene	2.319	96	38662	18.313	ug/l	96
11) Methyl Iodide	2.453	142	29390	20.264	ug/l	88
12) Methyl Acetate	2.709	43	60606	17.626	ug/l	94
13) Acrolein	2.239	56	34250	84.792	ug/l	99
14) Acrylonitrile	3.068	53	131316	88.738	ug/l	98
15) Acetone	2.386	58	36534	90.887	ug/l	89
16) Carbon Disulfide	2.514	76	103500	18.780	ug/l	100
17) Allyl chloride	2.666	41	65434	17.587	ug/l	93
18) Methylene Chloride	2.794	84	45394	18.455	ug/l	92
19) trans-1,2-Dichloroethene	3.093	96	41272	18.014	ug/l	92
20) Diisopropyl ether	3.770	45	129553	17.382	ug/l #	80
21) 1,1-Dichloroethane	3.611	63	70395	17.544	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	47866	17.595	ug/l	99
23) tert-Butyl Alcohol	2.977	59	51909	76.570	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	122527	17.990	ug/l	96
25) Chloroform	5.099	83	73107	18.282	ug/l	100
26) Cyclohexane	5.477	56	65116	17.515	ug/l #	94
29) 1,1-Dichloropropene	5.702	75	51900	17.803	ug/l	97
30) 2-Butanone	4.562	43	178437	90.681	ug/l	99
31) 2,2-Dichloropropane	4.477	77	53373	19.155	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	58718	18.731	ug/l	98
33) Carbon Tetrachloride	5.684	117	51506	19.563	ug/l	100
34) Benzene	6.044	78	171548	18.311	ug/l #	95
35) Methacrylonitrile	4.928	41	36637	18.394	ug/l	93
36) 1,2-Dichloroethane	6.092	62	51930m	18.209	ug/l	
37) Trichloroethene	7.129	130	47836	19.092	ug/l	98
38) Methylcyclohexane	7.385	83	69841	18.463	ug/l	94
39) 1,2-Dichloropropane	7.434	63	43456	18.222	ug/l	99
40) Dibromomethane	7.586	93	29390	18.181	ug/l	95
41) Bromodichloromethane	7.824	83	56981	19.733	ug/l	96
42) Vinyl Acetate	3.727	43	557182	88.543	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX029995.D
 Acq On : 11 Jul 2022 14:10
 Operator : JC/MD
 Sample : VX0711WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/12/2022
 Supervised By :Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 01:23:52 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	64922	17.515	ug/l	99
44) Isopropyl Acetate	6.342	43	99054	17.591	ug/l	99
45) 1,4-Dioxane	7.677	88	24757	374.528	ug/l	94
46) Methyl methacrylate	7.696	41	48274	18.091	ug/l	96
47) n-amyl Acetate	10.842	43	81020	16.749	ug/l	96
48) t-1,3-Dichloropropene	8.982	75	58384	18.295	ug/l	96
49) cis-1,3-Dichloropropene	8.372	75	65791	18.360	ug/l	94
50) 1,1,2-Trichloroethane	9.153	97	44456	18.563	ug/l	95
51) Ethyl methacrylate	9.116	69	67261	18.048	ug/l	98
52) 1,3-Dichloropropane	9.311	76	71157	18.471	ug/l	99
53) Dibromochloromethane	9.525	129	45435	20.497	ug/l	100
54) 1,2-Dibromoethane	9.610	107	46751	18.798	ug/l	97
55) 2-Chloroethyl vinyl ether	8.244	63	184670	96.127	ug/l	97
56) Bromoform	10.799	173	34300	22.104	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	340305	91.203	ug/l	99
59) 2-Hexanone	9.433	43	259642	89.967	ug/l	98
61) Tetrachloroethene	9.275	164	43072	18.990	ug/l	94
62) Toluene	8.720	91	182766	18.188	ug/l	97
64) Chlorobenzene	10.079	112	111304	18.547	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.165	131	39733	18.987	ug/l	95
66) Ethyl Benzene	10.195	91	194814	18.244	ug/l	99
67) m/p-Xylenes	10.305	106	154875	37.376	ug/l	98
68) o-Xylene	10.646	106	77102	18.685	ug/l	96
69) Styrene	10.659	104	127297	18.642	ug/l	96
70) Isopropylbenzene	10.963	105	192924	18.569	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	68921	18.242	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	62815m	18.496	ug/l	
73) Bromobenzene	11.201	156	46377	18.616	ug/l	96
74) n-propylbenzene	11.305	91	228423	18.328	ug/l	98
75) 2-Chlorotoluene	11.366	91	133074	18.132	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	160533	18.404	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	22507	19.268	ug/l	74
78) 4-Chlorotoluene	11.457	91	146442	17.779	ug/l	95
79) tert-butylbenzene	11.719	119	152476	17.968	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	159262	17.760	ug/l	98
81) sec-Butylbenzene	11.890	105	204032	17.763	ug/l	99
82) p-Isopropyltoluene	12.012	119	161918	17.510	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	88394	18.339	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	89828	18.376	ug/l	98
85) n-Butylbenzene	12.335	91	144599	16.664	ug/l	97
86) Hexachloroethane	12.542	117	30818	20.060	ug/l	91
87) 1,2-Dichlorobenzene	12.335	146	88662	18.628	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	15123	17.552	ug/l	96
89) 1,2,4-Trichlorobenzene	13.591	180	54792	18.593	ug/l	97
90) Hexachlorobutadiene	13.725	225	20702	18.524	ug/l	97
91) Naphthalene	13.774	128	211971	18.046	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	56833	18.934	ug/l	98

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

