

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052921\
 Data File : VX022256.D
 Acq On : 28 May 2021 16:23
 Operator : JC/MD
 Sample : VX0529WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/2/2021 2:27:51 PM

Quant Time: May 29 03:51:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 13 06:11:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	17021	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	99130	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	88867	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	40401	30.81	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.70%			
60) 4-Bromofluorobenzene	11.085	95	45340	30.74	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.47%			
63) Toluene-d8	8.653	98	122257	30.11	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.37%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	20795	20.70	ug/l	99
3) Chloromethane	1.294	50	22075	18.29	ug/l	99
4) Vinyl Chloride	1.373	62	23335	18.62	ug/l	100
5) Bromomethane	1.605	94	12862	18.23	ug/l	90
6) Chloroethane	1.684	64	13690	16.96	ug/l	99
7) Trichlorofluoromethane	1.886	101	32696	18.67	ug/l	98
8) Diethyl Ether	2.135	74	13401	17.84	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	20091	20.00	ug/l	97
10) 1,1-Dichloroethene	2.318	96	18968	18.75	ug/l	90
11) Methyl Iodide	2.453	142	19506	19.39	ug/l	95
12) Methyl Acetate	2.709	43	29644	21.19	ug/l	97
13) Acrolein	2.239	56	26745	123.28	ug/l	99
14) Acrylonitrile	3.068	53	57904	101.44	ug/l	98
15) Acetone	2.385	58	18456	108.31	ug/l	87
16) Carbon Disulfide	2.513	76	45430	16.41	ug/l	98
17) Allyl chloride	2.666	41	35152	19.71	ug/l	93
18) Methylene Chloride	2.794	84	23310	19.38	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	20803	18.92	ug/l	97
20) Diisopropyl ether	3.769	45	67049	19.95	ug/l	97
21) 1,1-Dichloroethane	3.611	63	40242	19.99	ug/l	96
22) cis-1,2-Dichloroethene	4.495	96	25174	19.48	ug/l	99
23) tert-Butyl Alcohol	2.971	59	29249	105.41	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	64600	19.61	ug/l	100
25) Chloroform	5.104	83	39897	19.55	ug/l	97
26) Cyclohexane	5.476	56	32743	19.71	ug/l #	96
29) 1,1-Dichloropropene	5.696	75	30205	19.47	ug/l	97
30) 2-Butanone	4.568	43	91483	104.17	ug/l	98
31) 2,2-Dichloropropane	4.483	77	34202	18.76	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	34163	18.66	ug/l	99
33) Carbon Tetrachloride	5.678	117	27553	17.74	ug/l	88
34) Benzene	6.043	78	91975	19.43	ug/l	97
35) Methacrylonitrile	4.928	41	18225	19.39	ug/l	92
36) 1,2-Dichloroethane	6.092	62	31857	19.71	ug/l #	91
37) Trichloroethene	7.128	130	22337	18.78	ug/l	98
38) Methylcyclohexane	7.385	83	35051	19.90	ug/l	98
39) 1,2-Dichloropropane	7.433	63	23998	20.30	ug/l	89
40) Dibromomethane	7.586	93	15571	18.93	ug/l	97
41) Bromodichloromethane	7.823	83	28535	17.38	ug/l	99
42) Vinyl Acetate	3.727	43	321993	98.18	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052921\
 Data File : VX022256.D
 Acq On : 28 May 2021 16:23
 Operator : JC/MD
 Sample : VX0529WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/2/2021 2:27:51 PM

Quant Time: May 29 03:51:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 13 06:11:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.720	43	36111	20.23	ug/l #	86
44) Isopropyl Acetate	6.348	43	57652	19.59	ug/l	97
45) 1,4-Dioxane	7.665	88	11616	442.02	ug/l #	100
46) Methyl methacrylate	7.695	41	27188	19.92	ug/l	97
47) n-amyl Acetate	10.847	43	51138	20.89	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	34261	18.59	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	36917	18.66	ug/l	98
50) 1,1,2-Trichloroethane	9.152	97	22958	19.61	ug/l	98
51) Ethyl methacrylate	9.122	69	36809	19.50	ug/l	99
52) 1,3-Dichloropropane	9.311	76	42036	20.60	ug/l	97
53) Dibromochloromethane	9.524	129	19782	16.82	ug/l	98
54) 1,2-Dibromoethane	9.610	107	23269	19.36	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	94224	94.56	ug/l	99
56) Bromoform	10.805	173	11580	15.52	ug/l	99
58) 4-Methyl-2-Pentanone	8.579	43	181255	101.14	ug/l	99
59) 2-Hexanone	9.433	43	137428	103.55	ug/l	99
61) Tetrachloroethene	9.274	164	19783	19.62	ug/l	93
62) Toluene	8.720	91	97553	19.17	ug/l	99
64) Chlorobenzene	10.079	112	59327	19.50	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	19817	17.85	ug/l	98
66) Ethyl Benzene	10.195	91	110648	19.77	ug/l	100
67) m/p-Xylenes	10.305	106	82338	38.81	ug/l	100
68) o-Xylene	10.646	106	41098	19.89	ug/l	100
69) Styrene	10.658	104	65485	18.94	ug/l	97
70) Isopropylbenzene	10.963	105	104826	19.31	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	35195	19.67	ug/l	95
72) 1,2,3-Trichloropropane	11.244	75	31979m	20.16	ug/l	
73) Bromobenzene	11.201	156	22597	19.65	ug/l	97
74) n-propylbenzene	11.305	91	126451	19.99	ug/l	98
75) 2-Chlorotoluene	11.366	91	74329	19.84	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	89232	19.69	ug/l	98
77) t-1,4-Dichloro-2-butene	11.024	75	10928	17.00	ug/l	93
78) 4-Chlorotoluene	11.457	91	85465	19.82	ug/l	98
79) tert-butylbenzene	11.719	119	82907	19.13	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	88048	19.44	ug/l	100
81) sec-Butylbenzene	11.890	105	108659	19.95	ug/l	99
82) p-Isopropyltoluene	12.012	119	89569	19.62	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	41833	19.19	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	42097	19.25	ug/l	99
85) n-Butylbenzene	12.335	91	85237	20.37	ug/l	98
86) Hexachloroethane	12.542	117	13334	17.57	ug/l	92
87) 1,2-Dichlorobenzene	12.341	146	40628	19.24	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	6784	17.03	ug/l	96
89) 1,2,4-Trichlorobenzene	13.591	180	24761	19.15	ug/l	97
90) Hexachlorobutadiene	13.725	225	9339	18.66	ug/l	99
91) Naphthalene	13.780	128	99717	19.66	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	24910	19.40	ug/l	100

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

