

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
 Data File : VX022216.D
 Acq On : 26 May 2021 23:45
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 5/28/2021 2:34:34 PM

Quant Time: May 27 04:59:55 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	4.904	128	16426	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	96162	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	85703	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	39275	31.04	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 103.47%		
60) 4-Bromofluorobenzene	11.085	95	43305	30.45	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 101.50%		
63) Toluene-d8	8.653	98	119354	30.48	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 101.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	20781	21.43	ug/l	96
3) Chloromethane	1.294	50	21253	18.25	ug/l	98
4) Vinyl Chloride	1.374	62	22881	18.92	ug/l	96
5) Bromomethane	1.605	94	13143	19.31	ug/l	97
6) Chloroethane	1.685	64	14292	18.35	ug/l	93
7) Trichlorofluoromethane	1.886	101	33369	19.74	ug/l	98
8) Diethyl Ether	2.142	74	13583	18.74	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	19062	19.67	ug/l	98
10) 1,1-Dichloroethene	2.319	96	19461	19.93	ug/l	97
11) Methyl Iodide	2.453	142	19969	20.57	ug/l	92
12) Methyl Acetate	2.715	43	30944	22.92	ug/l	97
13) Acrolein	2.239	56	30349	144.96	ug/l	98
14) Acrylonitrile	3.075	53	61432	111.52	ug/l	97
15) Acetone	2.386	58	18755	114.05	ug/l	99
16) Carbon Disulfide	2.514	76	47726	17.87	ug/l	97
17) Allyl chloride	2.666	41	34708	20.17	ug/l	95
18) Methylene Chloride	2.794	84	23723	20.44	ug/l	97
19) trans-1,2-Dichloroethene	3.099	96	21489	20.25	ug/l	88
20) Diisopropyl ether	3.770	45	66501	20.50	ug/l	96
21) 1,1-Dichloroethane	3.617	63	40542	20.87	ug/l	98
22) cis-1,2-Dichloroethene	4.495	96	25918	20.79	ug/l	96
23) tert-Butyl Alcohol	2.977	59	32513	121.42	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	64606	20.32	ug/l	99
25) Chloroform	5.105	83	41009	20.83	ug/l	100
26) Cyclohexane	5.477	56	32009	19.97	ug/l #	99
29) 1,1-Dichloropropene	5.702	75	29935	19.89	ug/l	98
30) 2-Butanone	4.568	43	95693	112.33	ug/l	99
31) 2,2-Dichloropropane	4.483	77	25939	14.67	ug/l #	75
32) 1,1,1-Trichloroethane	5.397	97	35121	19.78	ug/l	98
33) Carbon Tetrachloride	5.684	117	28087	18.64	ug/l	93
34) Benzene	6.050	78	92664	20.18	ug/l	99
35) Methacrylonitrile	4.934	41	19822	21.74	ug/l	95
36) 1,2-Dichloroethane	6.098	62	32972	21.03	ug/l #	89
37) Trichloroethene	7.135	130	22737	19.70	ug/l	95
38) Methylcyclohexane	7.385	83	32824	19.21	ug/l	98
39) 1,2-Dichloropropane	7.434	63	23296	20.32	ug/l	92
40) Dibromomethane	7.586	93	15513	19.44	ug/l	98
41) Bromodichloromethane	7.830	83	30161	18.94	ug/l	95
42) Vinyl Acetate	3.733	43	325867	102.43	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
 Data File : VX022216.D
 Acq On : 26 May 2021 23:45
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 5/28/2021 2:34:34 PM

Quant Time: May 27 04:59:55 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	4.727	43	38369	22.16	ug/l	99
44) Isopropyl Acetate	6.348	43	58881	20.62	ug/l	99
45) 1,4-Dioxane	7.671	88	11934	468.14	ug/l #	100
46) Methyl methacrylate	7.702	41	28341	21.41	ug/l	91
47) n-amyl Acetate	10.848	43	51931	21.87	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	32452	18.15	ug/l	97
49) cis-1,3-Dichloropropene	8.372	75	36127	18.82	ug/l	99
50) 1,1,2-Trichloroethane	9.159	97	23321	20.54	ug/l	91
51) Ethyl methacrylate	9.122	69	38446	20.99	ug/l	97
52) 1,3-Dichloropropane	9.311	76	41628	21.03	ug/l	99
53) Dibromochloromethane	9.525	129	21012	18.42	ug/l	100
54) 1,2-Dibromoethane	9.616	107	23527	20.17	ug/l	97
55) 2-Chloroethyl vinyl ether	8.244	63	92402	95.59	ug/l	99
56) Bromoform	10.805	173	12481	17.24	ug/l	97
58) 4-Methyl-2-Pentanone	8.580	43	191186	110.62	ug/l	98
59) 2-Hexanone	9.433	43	144761	113.10	ug/l	98
61) Tetrachloroethene	9.281	164	19058	19.60	ug/l	87
62) Toluene	8.726	91	97525	19.87	ug/l	99
64) Chlorobenzene	10.079	112	59487	20.27	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	20856	19.48	ug/l	98
66) Ethyl Benzene	10.195	91	108976	20.19	ug/l	100
67) m/p-Xylenes	10.305	106	83879	41.00	ug/l	95
68) o-Xylene	10.646	106	40934	20.54	ug/l	97
69) Styrene	10.659	104	67358	20.20	ug/l	99
70) Isopropylbenzene	10.963	105	106603	20.37	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	36557	21.18	ug/l	95
72) 1,2,3-Trichloropropane	11.244	75	32840m	21.47	ug/l	
73) Bromobenzene	11.201	156	22379	20.18	ug/l	94
74) n-propylbenzene	11.305	91	123647	20.27	ug/l	100
75) 2-Chlorotoluene	11.366	91	73871	20.44	ug/l	98
76) 1,3,5-Trimethylbenzene	11.457	105	88069	20.15	ug/l	99
77) t-1,4-Dichloro-2-butene	11.024	75	10261	16.55	ug/l	81
78) 4-Chlorotoluene	11.457	91	84678	20.36	ug/l	99
79) tert-butylbenzene	11.719	119	82615	19.77	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	88904	20.36	ug/l	98
81) sec-Butylbenzene	11.890	105	106375	20.25	ug/l	100
82) p-Isopropyltoluene	12.012	119	88706	20.14	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	41916	19.94	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	42275	20.05	ug/l	99
85) n-Butylbenzene	12.335	91	78702	19.50	ug/l	98
86) Hexachloroethane	12.542	117	12869	17.58	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	41528	20.40	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	7443	19.37	ug/l	96
89) 1,2,4-Trichlorobenzene	13.591	180	23883	19.15	ug/l	98
90) Hexachlorobutadiene	13.725	225	8564	17.75	ug/l	97
91) Naphthalene	13.780	128	102483	20.95	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	25509	20.60	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
Data File : VX022216.D
Acq On : 26 May 2021 23:45
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
5/28/2021 2:34:34 PM

Quant Time: May 27 04:59:55 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

