

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
 Data File : VX018933.D
 Acq On : 15 Oct 2020 13:29
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 10/16/2020 2:11:28 PM

Quant Time: Oct 15 14:44:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 15 14:34:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	52115	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	291385	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	252325	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	102368	25.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	86.43%
60) 4-Bromofluorobenzene	11.12	95	117951	27.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.73%
63) Toluene-d8	8.70	98	341328	31.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	12468	4.632	ug/l 99
3) Chloromethane	1.31	50	14593	4.966	ug/l 98
4) Vinyl Chloride	1.39	62	17731	5.644	ug/l 97
5) Bromomethane	1.63	94	12264	5.874	ug/l 98
6) Chloroethane	1.71	64	12727	6.555	ug/l 98
7) Trichlorofluoromethane	1.92	101	28330	5.401	ug/l 96
8) Diethyl Ether	2.17	74	10553	6.121	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	16151	5.932	ug/l 97
10) 1,1-Dichloroethene	2.36	96	16259	6.027	ug/l 98
11) Methyl Iodide	2.49	142	15088	4.997	ug/l 95
12) Methyl Acetate	2.75	43	14945	4.434	ug/l 99
13) Acrolein	2.27	56	14736	44.886	ug/l 97
14) Acrylonitrile	3.12	53	35140	22.925	ug/l 99
15) Acetone	2.42	58	12939	29.259	ug/l 96
16) Carbon Disulfide	2.55	76	39307	5.181	ug/l 98
17) Allyl chloride	2.70	41	20978	4.602	ug/l 98
18) Methylene Chloride	2.83	84	17376	5.667	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	16286	5.532	ug/l 94
20) Diisopropyl ether	3.82	45	37881	4.264	ug/l 90
21) 1,1-Dichloroethane	3.67	63	26125	4.972	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	17661	5.429	ug/l 97
23) tert-Butyl Alcohol	3.01	59	21152	29.963	ug/l # 100
24) Methyl tert-Butyl Ether	3.16	73	42991	4.678	ug/l 94
25) Chloroform	5.17	83	27667	4.936	ug/l 99
26) Cyclohexane	5.54	56	21673	5.071	ug/l # 96
29) 1,1-Dichloropropene	5.76	75	21410	4.860	ug/l 97
30) 2-Butanone	4.64	43	52602	22.260	ug/l 98
31) 2,2-Dichloropropane	4.54	77	25656	4.848	ug/l # 77
32) 1,1,1-Trichloroethane	5.46	97	25964	4.584	ug/l 99
33) Carbon Tetrachloride	5.75	117	23820	4.533	ug/l # 96
34) Benzene	6.10	78	62861	4.992	ug/l 97
35) Methacrylonitrile	5.00	41	10536	4.221	ug/l 91
36) 1,2-Dichloroethane	6.16	62	20153	4.002	ug/l 98
37) Trichloroethene	7.19	130	18053	4.914	ug/l 99
38) Methylcyclohexane	7.43	83	24526	5.117	ug/l 97
39) 1,2-Dichloropropane	7.49	63	15353	4.630	ug/l 93
40) Dibromomethane	7.63	93	11183	4.648	ug/l 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
 Data File : VX018933.D
 Acq On : 15 Oct 2020 13:29
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 10/16/2020 2:11:28 PM

Quant Time: Oct 15 14:44:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 15 14:34:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.87	83	23295	4.674	ug/l	93
42) Vinyl Acetate	3.78	43	186302	21.267	ug/l	100
43) Ethyl Acetate	4.79	43	24498m	5.205	ug/l	
44) Isopropyl Acetate	6.41	43	36027	4.699	ug/l	# 100
45) 1,4-Dioxane	7.71	88	7315	107.943	ug/l	94
46) Methyl methacrylate	7.74	41	16001	4.248	ug/l	95
47) n-amyl Acetate	10.88	43	28465	4.204	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	26006	4.782	ug/l	96
49) cis-1,3-Dichloropropene	8.42	75	27844	4.880	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	16111	4.752	ug/l	95
51) Ethyl methacrylate	9.16	69	25398	5.062	ug/l	99
52) 1,3-Dichloropropane	9.35	76	26872	4.780	ug/l	100
53) Dibromochloromethane	9.56	129	18309	4.340	ug/l	99
54) 1,2-Dibromoethane	9.65	107	17680	4.733	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	68168	26.106	ug/l	100
56) Bromoform	10.84	173	13271	4.132	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	103280	24.431	ug/l	99
59) 2-Hexanone	9.47	43	79503	24.652	ug/l	98
61) Tetrachloroethene	9.32	164	15483	4.986	ug/l	95
62) Toluene	8.76	91	69379	5.451	ug/l	99
64) Chlorobenzene	10.12	112	43819	5.347	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	16869	5.113	ug/l	98
66) Ethyl Benzene	10.23	91	75919	5.349	ug/l	98
67) m/p-Xylenes	10.34	106	59512	10.956	ug/l	99
68) o-Xylene	10.68	106	27911	5.403	ug/l	99
69) Styrene	10.70	104	47097	5.264	ug/l	98
70) Isopropylbenzene	11.00	105	74785	5.263	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	22882	5.021	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	21782m	4.987	ug/l	
73) Bromobenzene	11.24	156	17700	4.608	ug/l	93
74) n-propylbenzene	11.34	91	85301	5.127	ug/l	99
75) 2-Chlorotoluene	11.40	91	48660	4.876	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	60085	4.888	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	9110	5.204	ug/l	96
78) 4-Chlorotoluene	11.49	91	56345	4.746	ug/l	99
79) tert-butylbenzene	11.76	119	62431	5.225	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	61102	5.034	ug/l	99
81) sec-Butylbenzene	11.93	105	70934	5.092	ug/l	99
82) p-Isopropyltoluene	12.05	119	66643	5.127	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	32350	4.746	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	32808	4.812	ug/l	98
85) n-Butylbenzene	12.37	91	58763	5.122	ug/l	99
86) Hexachloroethane	12.58	117	10988	4.406	ug/l	97
87) 1,2-Dichlorobenzene	12.37	146	30575	4.752	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	12.98	75	5398	4.627	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	21750	4.924	ug/l	100
90) Hexachlorobutadiene	13.77	225	9730	5.273	ug/l	97
91) Naphthalene	13.82	128	71304	5.108	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	20609	4.720	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
Data File : VX018933.D
Acq On : 15 Oct 2020 13:29
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

apatel
10/16/2020 2:11:28 PM

Quant Time: Oct 15 14:44:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 15 14:34:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

