

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\
 Data File : VX013240.D
 Acq On : 28 Oct 2019 11:45
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 12:07:25 PM

Quant Time: Oct 29 14:19:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	29643	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	165615	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	151171	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	70756	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	11.13	95	79255	30.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.37%
63) Toluene-d8	8.71	98	200691	29.85	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	37723	17.725 ug/l	99
3) Chloromethane	1.32	50	29245	15.762 ug/l	97
4) Vinyl Chloride	1.40	62	30497	15.898 ug/l	97
5) Bromomethane	1.63	94	19199	18.547 ug/l	95
6) Chloroethane	1.72	64	20685	16.897 ug/l	95
7) Trichlorofluoromethane	1.92	101	55260	17.925 ug/l	99
8) Diethyl Ether	2.18	74	18282	17.375 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	33128	17.594 ug/l	97
10) 1,1-Dichloroethene	2.36	96	31568	17.359 ug/l	97
11) Methyl Iodide	2.50	142	32633	13.933 ug/l	99
12) Methyl Acetate	2.76	43	36630	15.598 ug/l	91
13) Acrolein	2.28	56	24236	69.332 ug/l	95
14) Acrylonitrile	3.12	53	77657	79.075 ug/l	99
15) Acetone	2.43	58	31790	98.252 ug/l	97
16) Carbon Disulfide	2.56	76	79340	16.338 ug/l #	95
17) Allyl chloride	2.72	41	46871	16.204 ug/l	92
18) Methylene Chloride	2.84	84	33833	16.068 ug/l	96
19) trans-1,2-Dichloroethene	3.15	96	33316	17.265 ug/l	85
20) Diisopropyl ether	3.84	45	92746	16.578 ug/l	97
21) 1,1-Dichloroethane	3.69	63	57587	16.953 ug/l	97
22) cis-1,2-Dichloroethene	4.58	96	37166	16.890 ug/l	98
23) tert-Butyl Alcohol	3.03	59	41721	80.635 ug/l #	100
24) Methyl tert-Butyl Ether	3.18	73	108884	17.362 ug/l	99
25) Chloroform	5.20	83	63328	17.741 ug/l	99
26) Cyclohexane	5.56	56	49052	16.457 ug/l #	95
29) 1,1-Dichloropropene	5.79	75	46194	17.955 ug/l	87
30) 2-Butanone	4.65	43	119063	88.223 ug/l	99
31) 2,2-Dichloropropane	4.57	77	55677	18.718 ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	59034	18.962 ug/l	99
33) Carbon Tetrachloride	5.78	117	51014	19.065 ug/l	96
34) Benzene	6.13	78	130446	17.611 ug/l	98
35) Methacrylonitrile	5.02	41	23501	16.980 ug/l	98
36) 1,2-Dichloroethane	6.18	62	51528	18.404 ug/l	99
37) Trichloroethene	7.20	130	37811	18.404 ug/l	94
38) Methylcyclohexane	7.45	83	55811	17.787 ug/l	99
39) 1,2-Dichloropropane	7.50	63	31146	17.132 ug/l	99
40) Dibromomethane	7.65	93	23492	18.091 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\
 Data File : VX013240.D
 Acq On : 28 Oct 2019 11:45
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 12:07:25 PM

Quant Time: Oct 29 14:19:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	48175	18.399	ug/l	98
42) Vinyl Acetate	3.80	43	402136	85.927	ug/l	99
43) Ethyl Acetate	4.82	43	40975	16.646	ug/l	98
44) Isopropyl Acetate	6.43	43	71691	17.329	ug/l	100
45) 1,4-Dioxane	7.73	88	17586	336.136	ug/l	98
46) Methyl methacrylate	7.76	41	34636	17.014	ug/l	97
47) n-amyl Acetate	10.89	43	57705	16.548	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	52848	18.400	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	56921	18.214	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	33970	17.714	ug/l	97
51) Ethyl methacrylate	9.17	69	52863	17.580	ug/l	96
52) 1,3-Dichloropropane	9.36	76	57617	17.841	ug/l	99
53) Dibromochloromethane	9.57	129	38769	18.742	ug/l	96
54) 1,2-Dibromoethane	9.67	107	37148	18.117	ug/l	100
55) 2-Chloroethyl vinyl ether	8.30	63	105107	86.050	ug/l	99
56) Bromoform	10.85	173	27086	18.456	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	211832	83.160	ug/l	99
59) 2-Hexanone	9.48	43	168040	84.174	ug/l	99
61) Tetrachloroethene	9.33	164	38656	19.289	ug/l	96
62) Toluene	8.78	91	144905	17.757	ug/l	99
64) Chlorobenzene	10.14	112	92986	17.771	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	36377	18.559	ug/l	100
66) Ethyl Benzene	10.24	91	168597	17.950	ug/l	99
67) m/p-Xylenes	10.35	106	126545	35.450	ug/l	97
68) o-Xylene	10.70	106	61272	17.981	ug/l	96
69) Styrene	10.71	104	103687	17.681	ug/l	98
70) Isopropylbenzene	11.01	105	168194	17.987	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	49089	17.132	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	49676m	19.961	ug/l	
73) Bromobenzene	11.25	156	39442	17.577	ug/l	99
74) n-propylbenzene	11.35	91	179197	17.460	ug/l	97
75) 2-Chlorotoluene	11.42	91	109323	17.023	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	137776	17.552	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	16002	16.561	ug/l	95
78) 4-Chlorotoluene	11.51	91	129825	17.692	ug/l	98
79) tert-butylbenzene	11.76	119	134735	17.827	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	147260	18.780	ug/l	97
81) sec-Butylbenzene	11.94	105	158505	17.604	ug/l	98
82) p-Isopropyltoluene	12.06	119	145300	17.649	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	72188	17.615	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	70994	17.517	ug/l	98
85) n-Butylbenzene	12.38	91	120394	17.216	ug/l	97
86) Hexachloroethane	12.59	117	24326	16.929	ug/l	93
87) 1,2-Dichlorobenzene	12.38	146	68264	17.172	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	12004	17.002	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	44410	17.962	ug/l	96
90) Hexachlorobutadiene	13.77	225	23183	18.468	ug/l	97
91) Naphthalene	13.83	128	135277	16.821	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	44343	17.506	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\
Data File : VX013240.D
Acq On : 28 Oct 2019 11:45
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
10/30/2019 12:07:25 PM

Quant Time: Oct 29 14:19:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration

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

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

