

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036559.D
 Acq On : 30 Mar 2021 5:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 10:57:21 AM

Quant Time: Mar 30 08:36:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1456069	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3490569	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3254139m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2743385	10.58	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	2163585	9.110 ppbv	97
3) Chlorodifluoromethane	2.97	51	2531621	9.306 ppbv	100
4) Chloromethane	3.12	50	914692	9.519 ppbv	98
5) Vinyl Chloride	3.24	62	850801	8.611 ppbv	100
6) Bromomethane	3.46	94	481296	8.848 ppbv	100
7) Chloroethane	3.54	64	307532	9.058 ppbv	94
8) Dichlorotetrafluoroethane	3.17	85	2034001	8.974 ppbv	99
9) Propene	2.99	41	779594	8.989 ppbv	97
10) Heptane	8.10	43	2023337	9.158 ppbv	100
11) Trichlorofluoromethane	3.93	101	2178656	9.002 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1396882	9.027 ppbv	98
13) Ethanol	3.59	45	81570m	7.898 ppbv	
14) Bromoethene	3.72	108	589154	9.158 ppbv	99
15) Acetone	3.83	43	1236621	8.629 ppbv	98
16) 1,3-Butadiene	3.31	39	896009	8.980 ppbv	98
17) tert-Butyl alcohol	4.27	59	1006250	8.066 ppbv	98
18) 1,1-Dichloroethene	4.27	96	601325	8.736 ppbv	100
19) Isopropyl Alcohol	3.95	45	573654m	7.277 ppbv	
20) Methylene Chloride	4.32	84	560276	8.350 ppbv	96
21) Allyl Chloride	4.39	41	989619	8.662 ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	551772	8.647 ppbv	93
23) Vinyl Acetate	5.05	43	2255562	9.201 ppbv	99
24) 1,1-Dichloroethane	4.99	63	1614658	9.037 ppbv	99
25) Ethyl Acetate	5.66	43	2963990	8.699 ppbv	99
26) Hexane	5.66	57	1444137	9.134 ppbv	97
27) Carbon Disulfide	4.53	76	1504367	9.658 ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1559160	8.362 ppbv	99
29) Chloroform	5.73	83	2279127	9.013 ppbv	99
30) Cyclohexane	7.11	84	1170482	9.128 ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1371490	8.968 ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	2254851	8.848 ppbv	99
34) 2-Butanone	5.22	43	1420787	8.339 ppbv	99
35) Carbon Tetrachloride	7.00	117	2370899	8.843 ppbv	96
36) Benzene	6.87	78	2912842	9.048 ppbv	98
37) 1,2-Dichloroethane	6.29	62	1697685	8.960 ppbv	100
38) Trichloroethene	7.81	130	1055910	8.428 ppbv	97
39) 1,2-Dichloropropane	7.59	63	1172222	8.976 ppbv	100
40) 1,4-Dioxane	7.81	88	226051m	7.438 ppbv	
41) Tetrahydrofuran	6.03	42	599566	7.632 ppbv	97
42) Bromodichloromethane	7.77	83	2478799	9.618 ppbv	99
43) Methyl Methacrylate	7.99	69	1102590	10.200 ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036559.D
 Acq On : 30 Mar 2021 5:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 10:57:21 AM

Quant Time: Mar 30 08:36:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4964727	8.763	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	994935	8.060	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1299790	8.238	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1171858	8.860	ppbv	99
48) Dibromochloromethane	10.28	129	1939448	9.619	ppbv	100
49) Bromoform	13.02	173	1588448	9.777	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	2163747	8.776	ppbv	99
51) 2-Hexanone	10.11	43	1156522	9.296	ppbv #	99
52) Tetrachloroethene	11.20	164	999831m	8.434	ppbv	
53) Toluene	9.78	91	3262816	9.517	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1690257	9.049	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1371107	9.315	ppbv	99
57) Chlorobenzene	12.12	112	2415496	8.724	ppbv	99
58) Ethyl Benzene	12.69	91	4398558	9.291	ppbv	99
59) m/p-Xylene	12.97	91	7505919m	18.177	ppbv	
60) o-Xylene	13.67	91	3536847	8.858	ppbv	100
61) Styrene	13.50	104	1935485	9.635	ppbv	99
62) Isopropylbenzene	14.64	105	4871220	9.060	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2559750	8.404	ppbv	99
64) n-propylbenzene	15.54	120	1249795	9.507	ppbv	93
65) tert-Butylbenzene	16.72	119	4238563	9.091	ppbv	99
66) Benzyl Chloride	16.97	91	512110m	9.937	ppbv	
67) sec-Butylbenzene	17.27	105	5934253	9.017	ppbv	99
69) p-Isopropyltoluene	17.63	119	4929073	9.591	ppbv	100
70) n-Butylbenzene	18.53	91	5121660	9.611	ppbv	99
71) 2-Chlorotoluene	15.43	91	3796824	9.424	ppbv	99
72) 4-Ethyltoluene	15.82	105	4144009	9.472	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3705423	9.074	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	3896414	8.917	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	2222019	9.034	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2252122m	9.222	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	2164607	9.362	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1660713	8.020	ppbv	99
79) Naphthalene	22.17	128	2470684	9.689	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	323565	6.435	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	1525784	9.691	ppbv	99

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

