

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035078.D
 Acq On : 22 May 2020 9:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 22 23:29:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1115603	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2585220	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2664106m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2135533	9.90	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1247316	7.878	ppbv 98
3) Chlorodifluoromethane	2.94	51	1253562	9.842	ppbv 98
4) Chloromethane	3.09	50	721783	9.888	ppbv 94
5) Vinyl Chloride	3.21	62	706567	9.922	ppbv 98
6) Bromomethane	3.43	94	428664	10.082	ppbv 88
7) Chloroethane	3.51	64	265132	10.367	ppbv 97
8) Dichlorotetrafluoroethane	3.14	85	1628520	9.938	ppbv 99
9) Propene	2.96	41	522431	9.452	ppbv 97
10) Heptane	8.12	43	1481968	10.703	ppbv 100
11) Trichlorofluoromethane	3.91	101	1679840	10.289	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1168775	10.054	ppbv 99
13) Ethanol	3.56	45	157987	8.662	ppbv 96
14) Bromoethene	3.70	108	517488	10.772	ppbv 98
15) Acetone	3.81	43	1322464	8.967	ppbv 99
16) 1,3-Butadiene	3.28	39	642403	10.121	ppbv 99
17) tert-Butyl alcohol	4.25	59	1269167	9.672	ppbv 100
18) 1,1-Dichloroethene	4.25	96	542711	10.761	ppbv 97
19) Isopropyl Alcohol	3.93	45	952599	9.685	ppbv # 99
20) Methylene Chloride	4.31	84	480020	9.832	ppbv 93
21) Allyl Chloride	4.38	41	898831	10.789	ppbv 99
22) trans-1,2-Dichloroethene	4.85	96	534905	10.707	ppbv 98
23) Vinyl Acetate	5.04	43	1953156	10.444	ppbv 99
24) 1,1-Dichloroethane	4.98	63	1437296	9.978	ppbv 99
25) Ethyl Acetate	5.65	43	2538438	10.246	ppbv 100
26) Hexane	5.66	57	1124470	10.470	ppbv 100
27) Carbon Disulfide	4.51	76	1400897	11.066	ppbv 98
28) Methyl tert-Butyl Ether	5.00	73	1626969	9.946	ppbv 99
29) Chloroform	5.73	83	1766528	10.052	ppbv 100
30) Cyclohexane	7.12	84	936840	11.303	ppbv 98
31) cis-1,2-Dichloroethene	5.53	61	1142004	10.898	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	1686109	10.624	ppbv 100
34) 2-Butanone	5.21	43	1631478	10.154	ppbv 99
35) Carbon Tetrachloride	7.01	117	1745786	10.699	ppbv 98
36) Benzene	6.88	78	2238578	10.503	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1376120	10.467	ppbv 100
38) Trichloroethene	7.83	130	861767	10.437	ppbv 96
39) 1,2-Dichloropropane	7.61	63	867966	10.158	ppbv 96
40) 1,4-Dioxane	7.82	88	348501	10.035	ppbv 94
41) Tetrahydrofuran	6.02	42	906682	10.718	ppbv 98
42) Bromodichloromethane	7.78	83	1888827	10.652	ppbv 97
43) Methyl Methacrylate	8.01	69	1028045	11.423	ppbv 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035078.D
 Acq On : 22 May 2020 9:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 22 23:29:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3897906	10.286	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1136598	12.514	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1347632	12.085	ppbv	100
47) 1,1,2-Trichloroethane	9.48	97	943797	10.467	ppbv	95
48) Dibromochloromethane	10.31	129	1560824	11.257	ppbv	100
49) Bromoform	13.06	173	1347822	11.297	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2446303	10.677	ppbv	100
51) 2-Hexanone	10.13	43	2018973	11.266	ppbv	100
52) Tetrachloroethene	11.23	164	788371	10.402	ppbv	97
53) Toluene	9.81	91	2604031	11.525	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1419979	10.724	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1146811	9.545	ppbv	98
57) Chlorobenzene	12.16	112	1969929	9.334	ppbv	98
58) Ethyl Benzene	12.72	91	3482557	10.571	ppbv	98
59) m/p-Xylene	13.01	91	5791798m	19.982	ppbv	
60) o-Xylene	13.71	91	2879427	10.067	ppbv	100
61) Styrene	13.54	104	2049263	11.322	ppbv	99
62) Isopropylbenzene	14.69	105	4225990	9.896	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2008784	8.922	ppbv	99
64) n-propylbenzene	15.58	120	1109332	10.128	ppbv	100
65) tert-Butylbenzene	16.77	119	3638650	9.824	ppbv	99
66) Benzyl Chloride	17.01	91	1377642	10.957	ppbv	99
67) sec-Butylbenzene	17.32	105	5187900	9.813	ppbv	99
69) p-Isopropyltoluene	17.67	119	4217902	9.861	ppbv	99
70) n-Butylbenzene	18.58	91	4493879	9.871	ppbv	99
71) 2-Chlorotoluene	15.47	91	3258782	10.110	ppbv	100
72) 4-Ethyltoluene	15.86	105	3338989	10.464	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3112022	10.021	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	3203263	9.450	ppbv #	88
75) 1,3-Dichlorobenzene	17.02	146	1840505	9.247	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	1827425	9.663	ppbv	100
77) 1,2-Dichlorobenzene	17.84	146	1762318	9.397	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1497568	9.368	ppbv	98
79) Naphthalene	22.24	128	3182559	12.057	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	1464584	22.572	ppbv	97
81) 1,2,4-Trichlorobenzene	21.97	180	1677152m	10.478	ppbv	

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

