

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034986.D
 Acq On : 12 May 2020 13:45
 Operator : SY/AP
 Sample : VL0512ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2020 5:11:38 PM

Quant Time: May 13 01:32:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 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	5.66	49	1096942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2551828	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2613395m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1990622	9.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1271928	8.170	ppbv 96
3) Chlorodifluoromethane	2.94	51	1132266	9.041	ppbv 100
4) Chloromethane	3.10	50	666421	9.285	ppbv 100
5) Vinyl Chloride	3.21	62	653881	9.339	ppbv 99
6) Bromomethane	3.43	94	388419	9.291	ppbv 92
7) Chloroethane	3.52	64	237464	9.443	ppbv 95
8) Dichlorotetrafluoroethane	3.14	85	1469470	9.120	ppbv 100
9) Propene	2.96	41	493952	9.089	ppbv 98
10) Heptane	8.13	43	1369409	10.058	ppbv 100
11) Trichlorofluoromethane	3.92	101	1510273	9.408	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1065515	9.322	ppbv 97
13) Ethanol	3.57	45	121391	6.769	ppbv 97
14) Bromoethene	3.70	108	460245	9.743	ppbv 98
15) Acetone	3.82	43	1196881	8.253	ppbv 100
16) 1,3-Butadiene	3.29	39	594214	9.521	ppbv 99
17) tert-Butyl alcohol	4.26	59	978593	7.584	ppbv 100
18) 1,1-Dichloroethene	4.26	96	491121	9.904	ppbv 99
19) Isopropyl Alcohol	3.93	45	709136	7.332	ppbv # 98
20) Methylene Chloride	4.31	84	439827	9.162	ppbv 93
21) Allyl Chloride	4.38	41	829390	10.125	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	479973	9.771	ppbv 97
23) Vinyl Acetate	5.05	43	1775754	9.656	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1315070	9.284	ppbv 100
25) Ethyl Acetate	5.66	43	2292548	9.411	ppbv 100
26) Hexane	5.67	57	1023153	9.688	ppbv 99
27) Carbon Disulfide	4.52	76	1272762	10.225	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1499631	9.324	ppbv 100
29) Chloroform	5.74	83	1583027	9.161	ppbv 99
30) Cyclohexane	7.13	84	853324	10.471	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1020292	9.902	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	1507352	9.660	ppbv 99
34) 2-Butanone	5.22	43	1501681	9.468	ppbv 100
35) Carbon Tetrachloride	7.02	117	1580775	9.815	ppbv 95
36) Benzene	6.89	78	2053012	9.758	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1228730	9.468	ppbv 99
38) Trichloroethene	7.84	130	787101	9.657	ppbv 98
39) 1,2-Dichloropropane	7.62	63	810854	9.614	ppbv 98
40) 1,4-Dioxane	7.83	88	293254	8.554	ppbv 77
41) Tetrahydrofuran	6.04	42	832833	9.974	ppbv 98
42) Bromodichloromethane	7.80	83	1690496	9.658	ppbv 97
43) Methyl Methacrylate	8.02	69	929821	10.466	ppbv 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034986.D
 Acq On : 12 May 2020 13:45
 Operator : SY/AP
 Sample : VL0512ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2020 5:11:38 PM

Quant Time: May 13 01:32:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 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	7.87	57	3565593	9.533	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1038323	11.582	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1230641	11.181	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	858788	9.649	ppbv	99
48) Dibromochloromethane	10.32	129	1400367	10.232	ppbv	99
49) Bromoform	13.07	173	1224274	10.396	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2255878	9.975	ppbv	100
51) 2-Hexanone	10.15	43	1860623	10.518	ppbv #	100
52) Tetrachloroethene	11.24	164	718761	9.608	ppbv	99
53) Toluene	9.82	91	2369589	10.625	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1284726	9.830	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1060618	8.999	ppbv	96
57) Chlorobenzene	12.17	112	1803702	8.712	ppbv	98
58) Ethyl Benzene	12.74	91	3197345	9.894	ppbv	98
59) m/p-Xylene	13.02	91	5234144m	18.408	ppbv	
60) o-Xylene	13.72	91	2625652	9.358	ppbv	99
61) Styrene	13.56	104	1873446	10.551	ppbv	98
62) Isopropylbenzene	14.70	105	3841200	9.170	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1865047	8.444	ppbv	100
64) n-propylbenzene	15.60	120	1003875	9.343	ppbv	99
65) tert-Butylbenzene	16.78	119	3282591	9.035	ppbv	99
66) Benzyl Chloride	17.03	91	1285219	10.420	ppbv	98
67) sec-Butylbenzene	17.33	105	4718322	9.098	ppbv	99
69) p-Isopropyltoluene	17.69	119	3876596	9.239	ppbv	100
70) n-Butylbenzene	18.59	91	4064652	9.102	ppbv	99
71) 2-Chlorotoluene	15.49	91	2980934	9.427	ppbv	99
72) 4-Ethyltoluene	15.87	105	3065502	9.793	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2864376	9.403	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	2913295	8.761	ppbv #	92
75) 1,3-Dichlorobenzene	17.03	146	1689175m	8.651	ppbv	
76) 1,4-Dichlorobenzene	17.18	146	1668397	8.993	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1593229	8.660	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1283228	8.183	ppbv	99
79) Naphthalene	22.26	128	2882578	11.132	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1161233	18.244	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	1490169	9.490	ppbv	99

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

