

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL035997.D
 Acq On : 24 Nov 2020 16:29
 Operator : SY/AP
 Sample : VL1124ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:14:53 PM

Quant Time: Nov 25 00:47:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1419399	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	5198003	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	5076503m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3889116	10.78	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	2048391	7.665	ppbv 99
3) Chlorodifluoromethane	2.97	51	1459927	8.589	ppbv 100
4) Chloromethane	3.11	50	740627	8.969	ppbv 99
5) Vinyl Chloride	3.23	62	898652	8.537	ppbv 100
6) Bromomethane	3.45	94	748010	8.836	ppbv 98
7) Chloroethane	3.53	64	341410	9.216	ppbv 98
8) Dichlorotetrafluoroethane	3.16	85	2611077	8.538	ppbv 93
9) Propene	2.99	41	556808	8.950	ppbv 99
10) Heptane	8.10	43	1597956	9.299	ppbv 99
11) Trichlorofluoromethane	3.93	101	2927699	8.725	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2186007	8.750	ppbv 97
13) Ethanol	3.58	45	103540	7.671	ppbv 98
14) Bromoethene	3.72	108	978072	8.507	ppbv 99
15) Acetone	3.83	43	1295684	8.538	ppbv 100
16) 1,3-Butadiene	3.30	39	593065	9.078	ppbv 99
17) tert-Butyl alcohol	4.27	59	1748438	8.694	ppbv 99
18) 1,1-Dichloroethene	4.26	96	1032036	8.997	ppbv 96
19) Isopropyl Alcohol	3.94	45	829824	8.899	ppbv 100
20) Methylene Chloride	4.32	84	831154	7.781	ppbv 98
21) Allyl Chloride	4.39	41	773083	9.421	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	1051764	9.045	ppbv 99
23) Vinyl Acetate	5.05	43	1791043	8.420	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1773478	8.751	ppbv 99
25) Ethyl Acetate	5.65	43	2688274	8.993	ppbv 99
26) Hexane	5.66	57	1415885	8.588	ppbv 97
27) Carbon Disulfide	4.52	76	2320289	9.393	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	2421074	8.178	ppbv 99
29) Chloroform	5.73	83	2739787	8.455	ppbv 98
30) Cyclohexane	7.11	84	1467453	8.172	ppbv 95
31) cis-1,2-Dichloroethene	5.53	61	1505472	8.876	ppbv 95
32) 1,1,1-Trichloroethane	6.49	97	2627811	7.771	ppbv 98
34) 2-Butanone	5.22	43	1723253	10.215	ppbv 98
35) Carbon Tetrachloride	7.00	117	2600036	9.362	ppbv 97
36) Benzene	6.87	78	3505192	9.070	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1726999	9.865	ppbv 99
38) Trichloroethene	7.81	130	1580833	8.375	ppbv 96
39) 1,2-Dichloropropane	7.59	63	1245048	9.570	ppbv 98
40) 1,4-Dioxane	7.81	88	539907	8.756	ppbv 82
41) Tetrahydrofuran	6.02	42	1012340	10.563	ppbv 98
42) Bromodichloromethane	7.77	83	2890237	9.784	ppbv 100
43) Methyl Methacrylate	7.99	69	1454903	9.871	ppbv 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4868634	9.521	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1563810	10.008	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1944992	9.829	ppbv	97
47) 1,1,2-Trichloroethane	9.45	97	1619665	9.136	ppbv	99
48) Dibromochloromethane	10.28	129	2612817	9.647	ppbv	99
49) Bromoform	13.02	173	2193373	9.598	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2681570	10.395	ppbv	99
51) 2-Hexanone	10.11	43	2222279	10.724	ppbv	99
52) Tetrachloroethene	11.20	164	1454373	7.944	ppbv	98
53) Toluene	9.78	91	4215679	9.041	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2469632	9.160	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	2025254	8.889	ppbv	97
57) Chlorobenzene	12.12	112	3402333	8.429	ppbv	99
58) Ethyl Benzene	12.69	91	5446164	8.809	ppbv	99
59) m/p-Xylene	12.97	91	9293461m	17.766	ppbv	
60) o-Xylene	13.67	91	4562727	8.966	ppbv	99
61) Styrene	13.51	104	3434551	9.212	ppbv	99
62) Isopropylbenzene	14.65	105	6732701	8.418	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3362620	8.528	ppbv	99
64) n-propylbenzene	15.54	120	2005568	8.675	ppbv	97
65) tert-Butylbenzene	16.73	119	6071460	8.340	ppbv	98
66) Benzyl Chloride	16.97	91	2334748	9.703	ppbv	98
67) sec-Butylbenzene	17.27	105	8185044	8.343	ppbv	99
69) p-Isopropyltoluene	17.64	119	6790417	8.387	ppbv	99
70) n-Butylbenzene	18.53	91	6882354	8.827	ppbv	99
71) 2-Chlorotoluene	15.43	91	5151073	8.805	ppbv	98
72) 4-Ethyltoluene	15.82	105	5404287	8.757	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4968834	8.797	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5249533	8.674	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	3228633	8.379	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3153334	8.483	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3080562	8.201	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1551016	8.849	ppbv	100
79) Naphthalene	22.18	128	3940392	9.340	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	754541	10.975	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1947984	8.265	ppbv	97

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

