

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036054.D
 Acq On : 3 Dec 2020 16:13
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120320

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:08:33 PM

Quant Time: Dec 03 16:53:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 03 16:53:02 2020
 QLast Update : Thu Dec 03 14:59:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1256704	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4581651	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4526714m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3326515	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1823761	8.432	ppbv	99
3) Chlorodifluoromethane	2.97	51	1453307	9.854	ppbv	99
4) Chloromethane	3.12	50	731108	10.082	ppbv	100
5) Vinyl Chloride	3.24	62	913127	9.918	ppbv	99
6) Bromomethane	3.46	94	729889	10.206	ppbv	99
7) Chloroethane	3.54	64	345466	10.478	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	2482266	9.610	ppbv	100
9) Propene	2.99	41	553385	10.725	ppbv	97
10) Heptane	8.11	43	1563991	10.980	ppbv	99
11) Trichlorofluoromethane	3.93	101	2736368	9.396	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2076514	9.356	ppbv	97
13) Ethanol	3.59	45	72819	7.463	ppbv	80
14) Bromoethene	3.72	108	946836	10.466	ppbv	99
15) Acetone	3.84	43	1192722	8.771	ppbv	98
16) 1,3-Butadiene	3.31	39	577242	10.143	ppbv	97
17) tert-Butyl alcohol	4.28	59	1703027	12.136	ppbv	99
18) 1,1-Dichloroethene	4.27	96	986030	10.040	ppbv	99
19) Isopropyl Alcohol	3.95	45	755084	11.235	ppbv	98
20) Methylene Chloride	4.33	84	816051	7.279	ppbv	99
21) Allyl Chloride	4.40	41	767780	11.264	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	977460	9.916	ppbv	99
23) Vinyl Acetate	5.06	43	1787455	11.916	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	1730663	9.878	ppbv	100
25) Ethyl Acetate	5.66	43	2675311	10.051	ppbv	100
26) Hexane	5.67	57	1427529	10.005	ppbv	98
27) Carbon Disulfide	4.54	76	2183674	10.771	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2392544	11.350	ppbv	100
29) Chloroform	5.74	83	2621484	9.926	ppbv	97
30) Cyclohexane	7.12	84	1461765	11.479	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1465287	11.320	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2507550	10.370	ppbv	99
34) 2-Butanone	5.23	43	1647908	10.658	ppbv	97
35) Carbon Tetrachloride	7.01	117	2427485	10.194	ppbv	99
36) Benzene	6.88	78	3460771	10.882	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1660380	10.174	ppbv	99
38) Trichloroethene	7.83	130	1512975	10.736	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1213711	10.166	ppbv	97
40) 1,4-Dioxane	7.82	88	482073	12.096	ppbv	82
41) Tetrahydrofuran	6.03	42	968179	11.846	ppbv	97
42) Bromodichloromethane	7.78	83	2771638	10.853	ppbv	98
43) Methyl Methacrylate	8.00	69	1413330	12.121	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4743851	10.140	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1478491	13.560	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1850623	12.870	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1542844	10.177	ppbv	98
48) Dibromochloromethane	10.30	129	2387394	11.354	ppbv	99
49) Bromoform	13.03	173	1894817	12.169	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2568030	10.618	ppbv	98
51) 2-Hexanone	10.12	43	2058602	11.820	ppbv #	97
52) Tetrachloroethene	11.21	164	1354369	11.072	ppbv	99
53) Toluene	9.80	91	4054315	11.664	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2299273	10.792	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1849153	10.003	ppbv	98
57) Chlorobenzene	12.14	112	3165864	9.502	ppbv	98
58) Ethyl Benzene	12.70	91	5089754	11.225	ppbv	99
59) m/p-Xylene	12.99	91	8532712m	20.728	ppbv	
60) o-Xylene	13.69	91	4129848	9.978	ppbv	98
61) Styrene	13.52	104	2975761	12.582	ppbv	99
62) Isopropylbenzene	14.66	105	6074158	9.874	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2930519	8.612	ppbv	100
64) n-propylbenzene	15.55	120	1727725	10.613	ppbv	97
65) tert-Butylbenzene	16.74	119	5216598	10.102	ppbv	99
66) Benzyl Chloride	16.98	91	1540315	12.481	ppbv	98
67) sec-Butylbenzene	17.29	105	6994762	9.876	ppbv	99
69) p-Isopropyltoluene	17.65	119	5636576	10.618	ppbv	99
70) n-Butylbenzene	18.55	91	5496792	10.378	ppbv	100
71) 2-Chlorotoluene	15.45	91	4468648	10.494	ppbv	98
72) 4-Ethyltoluene	15.83	105	4711064	11.006	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4247390	10.554	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	4427291	9.880	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2631414	9.805	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2565931	10.119	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2422148	9.781	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1351750	9.897	ppbv	100
79) Naphthalene	22.19	128	2971961	13.892	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1257950	28.083	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1737887	12.015	ppbv	100

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

