

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035908.D
 Acq On : 12 Nov 2020 9:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:27:54 PM

Quant Time: Nov 13 01:04:05 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	5.67	49	1159753	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4410820	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4315531m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3143604	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1682480	7.706	ppbv 100
3) Chlorodifluoromethane	2.98	51	1308572	9.422	ppbv 98
4) Chloromethane	3.13	50	642847	9.528	ppbv 98
5) Vinyl Chloride	3.25	62	823397	9.574	ppbv 100
6) Bromomethane	3.47	94	665128	9.616	ppbv 98
7) Chloroethane	3.55	64	297508	9.828	ppbv 94
8) Dichlorotetrafluoroethane	3.18	85	2330497	9.326	ppbv 97
9) Propene	3.00	41	498041	9.798	ppbv 99
10) Heptane	8.13	43	1412820	10.063	ppbv 100
11) Trichlorofluoromethane	3.95	101	2707957	9.877	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1995278	9.774	ppbv 98
13) Ethanol	3.60	45	92418	8.380	ppbv 96
14) Bromoethene	3.74	108	873150	9.294	ppbv 100
15) Acetone	3.85	43	1133807	9.144	ppbv 98
16) 1,3-Butadiene	3.32	39	522640	9.791	ppbv 99
17) tert-Butyl alcohol	4.29	59	1554215	9.459	ppbv 99
18) 1,1-Dichloroethene	4.29	96	909790	9.707	ppbv 95
19) Isopropyl Alcohol	3.97	45	716681	9.406	ppbv 99
20) Methylene Chloride	4.34	84	766187	8.778	ppbv 99
21) Allyl Chloride	4.41	41	686163	10.233	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	929980	9.788	ppbv 96
23) Vinyl Acetate	5.07	43	1626041	9.356	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1607200	9.707	ppbv 99
25) Ethyl Acetate	5.68	43	2423831	9.923	ppbv 99
26) Hexane	5.69	57	1290708	9.582	ppbv 99
27) Carbon Disulfide	4.55	76	1988326	9.851	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	2218202	9.170	ppbv 100
29) Chloroform	5.75	83	2505052	9.461	ppbv 100
30) Cyclohexane	7.13	84	1339439	9.130	ppbv 97
31) cis-1,2-Dichloroethene	5.55	61	1343124	9.692	ppbv 95
32) 1,1,1-Trichloroethane	6.52	97	2456540	8.891	ppbv 99
34) 2-Butanone	5.24	43	1525685	10.658	ppbv 100
35) Carbon Tetrachloride	7.02	117	2427738	10.301	ppbv 99
36) Benzene	6.90	78	3193728	9.739	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1583444	10.659	ppbv 99
38) Trichloroethene	7.84	130	1459805	9.114	ppbv 97
39) 1,2-Dichloropropane	7.62	63	1116362	10.112	ppbv 97
40) 1,4-Dioxane	7.83	88	498756	9.532	ppbv 88
41) Tetrahydrofuran	6.05	42	904582	11.123	ppbv 99
42) Bromodichloromethane	7.80	83	2628525	10.486	ppbv 98
43) Methyl Methacrylate	8.02	69	1308917	10.465	ppbv 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4382811	10.100	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1387037	10.461	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1739177	10.357	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1451560	9.649	ppbv	98
48) Dibromochloromethane	10.31	129	2374882	10.334	ppbv	99
49) Bromoform	13.05	173	1980508	10.213	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2370527	10.830	ppbv	99
51) 2-Hexanone	10.14	43	1926667	10.957	ppbv	98
52) Tetrachloroethene	11.23	164	1353719	8.714	ppbv	99
53) Toluene	9.81	91	3823109	9.662	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2224296	9.723	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1845237	9.527	ppbv	99
57) Chlorobenzene	12.16	112	3075692	8.964	ppbv	99
58) Ethyl Benzene	12.72	91	4918024	9.357	ppbv	100
59) m/p-Xylene	13.00	91	8315274m	18.699	ppbv	
60) o-Xylene	13.70	91	4045237	9.351	ppbv	99
61) Styrene	13.54	104	3046576	9.612	ppbv	99
62) Isopropylbenzene	14.68	105	6060358	8.913	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2863206	8.542	ppbv	99
64) n-propylbenzene	15.57	120	1777809	9.046	ppbv	97
65) tert-Butylbenzene	16.76	119	5396942	8.721	ppbv	100
66) Benzyl Chloride	17.00	91	1824205	8.918	ppbv	99
67) sec-Butylbenzene	17.30	105	7286417	8.737	ppbv	99
69) p-Isopropyltoluene	17.66	119	6015674	8.741	ppbv	100
70) n-Butylbenzene	18.56	91	5881831	8.874	ppbv	100
71) 2-Chlorotoluene	15.46	91	4548161	9.145	ppbv	99
72) 4-Ethyltoluene	15.85	105	4773240	9.098	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4383086	9.129	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4554109	8.852	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2795855	8.535	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2794356	8.843	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2725257	8.535	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1286452	8.634	ppbv	100
79) Naphthalene	22.21	128	3064996	8.546	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	550038	9.411	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1659287	8.281	ppbv	97

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

