

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035231.D
 Acq On : 23 Jul 2020 17:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:29:55 PM

Quant Time: Jul 24 06:39:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1325338	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3150605	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3039749	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2475495	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	1362432	7.335	ppbv	99
3) Chlorodifluoromethane	2.94	51	1379424	9.423	ppbv	100
4) Chloromethane	3.10	50	800043	9.696	ppbv	98
5) Vinyl Chloride	3.21	62	812624	9.217	ppbv	100
6) Bromomethane	3.43	94	512432	10.240	ppbv	93
7) Chloroethane	3.52	64	305397	9.798	ppbv	91
8) Dichlorotetrafluoroethane	3.14	85	1888232	9.275	ppbv	100
9) Propene	2.97	41	546411	9.876	ppbv	99
10) Heptane	8.13	43	1620452	11.409	ppbv	99
11) Trichlorofluoromethane	3.92	101	2062526	9.833	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1432234	9.723	ppbv	99
13) Ethanol	3.57	45	137981	7.833	ppbv	98
14) Bromoethene	3.70	108	626283	10.331	ppbv	99
15) Acetone	3.82	43	1579224	8.801	ppbv	99
16) 1,3-Butadiene	3.29	39	730459	10.606	ppbv	99
17) tert-Butyl alcohol	4.26	59	1705121	10.740	ppbv	99
18) 1,1-Dichloroethene	4.26	96	669926	10.272	ppbv	98
19) Isopropyl Alcohol	3.93	45	1111997	10.273	ppbv	100
20) Methylene Chloride	4.32	84	635680	8.142	ppbv	98
21) Allyl Chloride	4.38	41	1056825	10.119	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	661668	10.162	ppbv	97
23) Vinyl Acetate	5.05	43	2003048	10.313	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1641088	9.839	ppbv	99
25) Ethyl Acetate	5.66	43	2831427	10.169	ppbv	99
26) Hexane	5.67	57	1298076	10.573	ppbv	98
27) Carbon Disulfide	4.52	76	1765921	10.301	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1946668	10.407	ppbv	100
29) Chloroform	5.74	83	2065241	10.034	ppbv	95
30) Cyclohexane	7.13	84	1065111	11.725	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1247375	10.741	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2034721	9.864	ppbv	99
34) 2-Butanone	5.23	43	1737150	10.330	ppbv	99
35) Carbon Tetrachloride	7.02	117	2111127	10.323	ppbv	97
36) Benzene	6.89	78	2469882	10.832	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1578008	10.312	ppbv	100
38) Trichloroethene	7.85	130	1014290	10.916	ppbv	96
39) 1,2-Dichloropropane	7.62	63	976816	10.772	ppbv	99
40) 1,4-Dioxane	7.83	88	389723	10.795	ppbv	94
41) Tetrahydrofuran	6.04	42	941850	11.194	ppbv	99
42) Bromodichloromethane	7.80	83	2192705	10.730	ppbv	97
43) Methyl Methacrylate	8.02	69	1155267	11.985	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4354661	11.064	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1289089	12.729	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1511109	12.587	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1078642	10.867	ppbv	97
48) Dibromochloromethane	10.33	129	1824476	11.297	ppbv	98
49) Bromoform	13.08	173	1627163	11.518	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2721442	11.276	ppbv	100
51) 2-Hexanone	10.15	43	2186320	11.880	ppbv #	100
52) Tetrachloroethene	11.25	164	905001	10.626	ppbv	97
53) Toluene	9.83	91	2910697	12.095	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1636111	11.107	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	1416551	10.518	ppbv	93
57) Chlorobenzene	12.18	112	2311049	10.315	ppbv	95
58) Ethyl Benzene	12.74	91	3988789	11.872	ppbv	99
59) m/p-Xylene	13.00	91	6678345m	22.302	ppbv	
60) o-Xylene	13.73	91	3342946	11.189	ppbv	100
61) Styrene	13.56	104	2367513	12.824	ppbv	99
62) Isopropylbenzene	14.70	105	4946997	11.171	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2429712	9.732	ppbv	99
64) n-propylbenzene	15.60	120	1333629	11.658	ppbv	96
65) tert-Butylbenzene	16.79	119	4438928	11.161	ppbv	100
66) Benzyl Chloride	17.03	91	1776455	12.537	ppbv	99
67) sec-Butylbenzene	17.34	105	6304028	10.872	ppbv	100
69) p-Isopropyltoluene	17.70	119	5193350	11.428	ppbv	100
70) n-Butylbenzene	18.60	91	5404891	11.217	ppbv	99
71) 2-Chlorotoluene	15.49	91	3843243	11.470	ppbv	100
72) 4-Ethyltoluene	15.88	105	3931919	11.680	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3713274	11.439	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	3909302	10.898	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	2251869	9.912	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2240602	10.613	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2157581	10.548	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1572367	9.728	ppbv	99
79) Naphthalene	22.26	128	3255762	14.026	ppbv	99
80) Naphthalene,2-methyl-	25.02	142	1223733	22.318	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1789739	12.170	ppbv	98

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

