

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036874.D
 Acq On : 28 Apr 2021 9:43
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/29/2021 5:53:55 PM

Quant Time: Apr 29 03:14:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 29 03:14:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1533961	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	4031677	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3569348m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3052413	10.65	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2249046	9.310	ppbv	97
3) Chlorodifluoromethane	3.00	51	2691739	9.634	ppbv	99
4) Chloromethane	3.15	50	901502	9.816	ppbv	100
5) Vinyl Chloride	3.27	62	914079	9.868	ppbv	100
6) Bromomethane	3.48	94	512361	10.286	ppbv	97
7) Chloroethane	3.57	64	312212	10.256	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2179727	9.892	ppbv	99
9) Propene	3.02	41	868871	10.205	ppbv	98
10) Heptane	8.13	43	2200891	10.278	ppbv	97
11) Trichlorofluoromethane	3.96	101	2126567	9.861	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1448299	10.035	ppbv	99
13) Ethanol	3.61	45	85803m	7.902	ppbv	
14) Bromoethene	3.75	108	638873	10.835	ppbv	95
15) Acetone	3.86	43	1193093	8.252	ppbv	99
16) 1,3-Butadiene	3.33	39	878996	9.508	ppbv	95
17) tert-Butyl alcohol	4.30	59	1254538	10.690	ppbv	99
18) 1,1-Dichloroethene	4.30	96	610720	9.737	ppbv	94
19) Isopropyl Alcohol	3.98	45	679254	9.482	ppbv	99
20) Methylene Chloride	4.35	84	531485	7.687	ppbv	94
21) Allyl Chloride	4.42	41	1056322	9.832	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	616505	9.794	ppbv	99
23) Vinyl Acetate	5.08	43	2259994	11.491	ppbv #	99
24) 1,1-Dichloroethane	5.02	63	1497652	10.727	ppbv	100
25) Ethyl Acetate	5.69	43	3430422	9.713	ppbv	99
26) Hexane	5.70	57	1593457	9.644	ppbv	96
27) Carbon Disulfide	4.56	76	1573903	10.967	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1754417	11.979	ppbv	100
29) Chloroform	5.76	83	2583329	10.028	ppbv	99
30) Cyclohexane	7.14	84	1336255	10.198	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1598594	10.778	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2631645	10.046	ppbv	99
34) 2-Butanone	5.25	43	1675164	9.485	ppbv	100
35) Carbon Tetrachloride	7.03	117	2756524	10.076	ppbv	98
36) Benzene	6.90	78	3392784	9.988	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1929658	10.032	ppbv	100
38) Trichloroethene	7.85	130	1251908	10.351	ppbv	99
39) 1,2-Dichloropropane	7.62	63	1326164	9.745	ppbv	95
40) 1,4-Dioxane	7.85	88	314737	9.577	ppbv	98
41) Tetrahydrofuran	6.06	42	784077	10.149	ppbv	98
42) Bromodichloromethane	7.81	83	2766383	10.351	ppbv	98
43) Methyl Methacrylate	8.03	69	1214456	10.957	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5688735	9.772	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1326936	11.105	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1728769	11.284	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1389633	9.863	ppbv	97
48) Dibromochloromethane	10.32	129	2249674	10.776	ppbv	99
49) Bromoform	13.05	173	1812478	10.874	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2489687	10.314	ppbv	99
51) 2-Hexanone	10.15	43	1278029	10.615	ppbv #	97
52) Tetrachloroethene	11.24	164	1156383	9.997	ppbv	99
53) Toluene	9.82	91	3755171	10.565	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1963520	9.871	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1530405	10.227	ppbv	99
57) Chlorobenzene	12.16	112	2784119	10.014	ppbv	99
58) Ethyl Benzene	12.72	91	5005400	11.056	ppbv	100
59) m/p-Xylene	13.01	91	8521057m	21.059	ppbv	
60) o-Xylene	13.71	91	4000847	10.226	ppbv	100
61) Styrene	13.55	104	2273810	12.376	ppbv	100
62) Isopropylbenzene	14.68	105	5432279	10.205	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2934775	9.358	ppbv	100
64) n-propylbenzene	15.58	120	1440208	10.856	ppbv	99
65) tert-Butylbenzene	16.76	119	4817404	10.236	ppbv	100
66) Benzyl Chloride	17.00	91	474073	10.302	ppbv	98
67) sec-Butylbenzene	17.31	105	6720869	10.284	ppbv	100
69) p-Isopropyltoluene	17.67	119	5528126	10.551	ppbv	99
70) n-Butylbenzene	18.57	91	5676598	10.749	ppbv	100
71) 2-Chlorotoluene	15.47	91	4163258	10.560	ppbv	99
72) 4-Ethyltoluene	15.85	105	4664117	11.107	ppbv	97
73) 1,3,5-Trimethylbenzene	16.01	105	4292479	10.540	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4448290	10.283	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	2580655	10.092	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2464777	9.849	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2458119	9.841	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	1767076	8.326	ppbv	100
79) Naphthalene	22.22	128	2752216	11.360	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	388855	14.554	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1611784	10.285	ppbv	97

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

