

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037485.D
 Acq On : 18 Aug 2021 9:38
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:57:44 PM

Quant Time: Aug 19 08:54:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1504001	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4462760	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3972399m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2862050	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2010716	8.332	ppbv	98
3) Chlorodifluoromethane	2.98	51	2613462	9.075	ppbv	99
4) Chloromethane	3.13	50	958322	9.312	ppbv	94
5) Vinyl Chloride	3.25	62	986658	9.358	ppbv	96
6) Bromomethane	3.47	94	475377	8.231	ppbv	97
7) Chloroethane	3.55	64	337764	9.386	ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	2276322	9.137	ppbv	99
9) Propene	3.00	41	968490	9.399	ppbv	100
10) Heptane	8.11	43	2345072	9.887	ppbv	98
11) Trichlorofluoromethane	3.94	101	2045497	9.030	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1570313	9.447	ppbv	99
13) Ethanol	3.60	45	79861	7.964	ppbv	82
14) Bromoethene	3.73	108	681686	9.034	ppbv	95
15) Acetone	3.84	43	1173739	7.668	ppbv	97
16) 1,3-Butadiene	3.32	39	946362	9.639	ppbv	100
17) tert-Butyl alcohol	4.28	59	1427161	10.207	ppbv	99
18) 1,1-Dichloroethene	4.28	96	705770	9.347	ppbv	96
19) Isopropyl Alcohol	3.95	45	863990	9.853	ppbv	100
20) Methylene Chloride	4.33	84	596905	7.789	ppbv	97
21) Allyl Chloride	4.40	41	1135936	9.137	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	744779	9.887	ppbv	94
23) Vinyl Acetate	5.06	43	1867463	8.277	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1470429	8.986	ppbv	99
25) Ethyl Acetate	5.66	43	3640629	9.369	ppbv	99
26) Hexane	5.67	57	1730044	9.106	ppbv	99
27) Carbon Disulfide	4.54	76	1778871	10.506	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1558755	8.543	ppbv	99
29) Chloroform	5.74	83	2457595	9.128	ppbv	96
30) Cyclohexane	7.11	84	1495927	9.450	ppbv	100
31) cis-1,2-Dichloroethene	5.53	61	1662919	9.671	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2435426	9.206	ppbv	99
34) 2-Butanone	5.23	43	1576281	8.650	ppbv	97
35) Carbon Tetrachloride	7.00	117	2519294	9.552	ppbv	97
36) Benzene	6.88	78	3595406	9.584	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1774606	9.550	ppbv	100
38) Trichloroethene	7.82	130	1420317	9.227	ppbv	96
39) 1,2-Dichloropropane	7.59	63	1384387	9.603	ppbv	99
40) 1,4-Dioxane	7.82	88	331248	9.379	ppbv #	100
41) Tetrahydrofuran	6.03	42	856289	9.754	ppbv	99
42) Bromodichloromethane	7.77	83	2686532	9.887	ppbv	97
43) Methyl Methacrylate	8.00	69	1306155	9.989	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5960877	9.441	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	913626	9.282	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1203914	8.768	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1440461	9.248	ppbv	98
48) Dibromochloromethane	10.28	129	2354069	10.502	ppbv	99
49) Bromoform	13.02	173	1894505	10.722	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2422240	10.188	ppbv	99
51) 2-Hexanone	10.12	43	1185182	10.838	ppbv	97
52) Tetrachloroethene	11.20	164	1338948	8.710	ppbv	97
53) Toluene	9.79	91	4209855	9.828	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2066823	9.505	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1605042	9.697	ppbv	99
57) Chlorobenzene	12.13	112	3070729	9.315	ppbv	99
58) Ethyl Benzene	12.69	91	5345553	9.697	ppbv	100
59) m/p-Xylene	12.98	91	8983218m	18.797	ppbv	
60) o-Xylene	13.67	91	4236170	9.497	ppbv	99
61) Styrene	13.51	104	2364612	10.205	ppbv	99
62) Isopropylbenzene	14.64	105	5821953	9.248	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	3051699	9.205	ppbv	99
64) n-propylbenzene	15.54	120	1563175	9.757	ppbv	98
65) tert-Butylbenzene	16.72	119	5271673	9.195	ppbv	100
66) Benzyl Chloride	16.96	91	321150	12.383	ppbv	99
67) sec-Butylbenzene	17.27	105	7359483	9.187	ppbv	100
69) p-Isopropyltoluene	17.63	119	6194611	9.489	ppbv	100
70) n-Butylbenzene	18.53	91	6069103	9.728	ppbv	100
71) 2-Chlorotoluene	15.43	91	4367058	9.460	ppbv	100
72) 4-Ethyltoluene	15.82	105	4965374	9.359	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4698256	9.513	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4875903	9.291	ppbv #	90
75) 1,3-Dichlorobenzene	16.97	146	2949869	9.338	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	2845463	8.942	ppbv	97
77) 1,2-Dichlorobenzene	17.79	146	2863988	9.207	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	2183240	8.442	ppbv	98
79) Naphthalene	22.16	128	3607676	10.273	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	947578	9.685	ppbv	94
81) 1,2,4-Trichlorobenzene	21.90	180	2189597	9.936	ppbv	98

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

