

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036623.D
 Acq On : 1 Apr 2021 5:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:18 PM

Quant Time: Apr 01 08:35:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1528371	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3794468	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	3533411m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2849610	10.12	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2187998	8.777 ppbv	99
3) Chlorodifluoromethane	2.99	51	2688100	9.414 ppbv	100
4) Chloromethane	3.15	50	902121	8.944 ppbv	93
5) Vinyl Chloride	3.26	62	915107	8.824 ppbv	98
6) Bromomethane	3.48	94	500088	8.758 ppbv	96
7) Chloroethane	3.56	64	317215	8.901 ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	2142563	9.005 ppbv	99
9) Propene	3.02	41	901238	9.900 ppbv	97
10) Heptane	8.14	43	2320622	10.007 ppbv	99
11) Trichlorofluoromethane	3.96	101	2126462	8.370 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1407922	8.668 ppbv	99
13) Ethanol	3.62	45	88856m	8.197 ppbv	
14) Bromoethene	3.75	108	609296	9.023 ppbv	99
15) Acetone	3.86	43	1197802	7.963 ppbv	99
16) 1,3-Butadiene	3.33	39	938541	8.962 ppbv	97
17) tert-Butyl alcohol	4.30	59	1143669	8.734 ppbv	99
18) 1,1-Dichloroethene	4.30	96	621155	8.598 ppbv	99
19) Isopropyl Alcohol	3.98	45	652958	7.891 ppbv	98
20) Methylene Chloride	4.36	84	530652	7.534 ppbv	98
21) Allyl Chloride	4.42	41	1076727	8.979 ppbv	97
22) trans-1,2-Dichloroethene	4.90	96	599862	8.956 ppbv	98
23) Vinyl Acetate	5.09	43	2510966	9.758 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1752225	9.343 ppbv	98
25) Ethyl Acetate	5.69	43	3438325	9.614 ppbv	100
26) Hexane	5.70	57	1633420	9.842 ppbv	99
27) Carbon Disulfide	4.56	76	1557207	9.525 ppbv	97
28) Methyl tert-Butyl Ether	5.05	73	1931018	9.866 ppbv	98
29) Chloroform	5.77	83	2542445	9.579 ppbv	99
30) Cyclohexane	7.15	84	1388944	10.319 ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1599967	9.967 ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2586817	9.671 ppbv	99
34) 2-Butanone	5.26	43	1750519	9.451 ppbv	99
35) Carbon Tetrachloride	7.03	117	2679690	9.194 ppbv	99
36) Benzene	6.91	78	3356481	9.591 ppbv	98
37) 1,2-Dichloroethane	6.32	62	1934196	9.391 ppbv	100
38) Trichloroethene	7.85	130	1176512	8.639 ppbv	99
39) 1,2-Dichloropropane	7.63	63	1346978	9.489 ppbv	99
40) 1,4-Dioxane	7.85	88	256653	7.768 ppbv	# 1
41) Tetrahydrofuran	6.07	42	805617	9.433 ppbv	95
42) Bromodichloromethane	7.81	83	2789179	9.956 ppbv	100
43) Methyl Methacrylate	8.03	69	1225556	10.429 ppbv	97

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44) 2,2,4-Trimethylpentane	7.89	57	5677904	9.219	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1385121	10.323	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1715187	10.000	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1342177	9.335	ppbv	97
48) Dibromochloromethane	10.33	129	2161668	9.862	ppbv	100
49) Bromoform	13.07	173	1694259	9.593	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2662980	9.936	ppbv	100
51) 2-Hexanone	10.16	43	1466825	10.846	ppbv #	100
52) Tetrachloroethene	11.25	164	1084136	8.413	ppbv	98
53) Toluene	9.83	91	3671962	9.853	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1868534	9.202	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1456034	9.111	ppbv	99
57) Chlorobenzene	12.17	112	2618682	8.710	ppbv	99
58) Ethyl Benzene	12.73	91	4852030	9.439	ppbv	100
59) m/p-Xylene	13.01	91	8105085m	18.077	ppbv	
60) o-Xylene	13.72	91	3835215	8.846	ppbv	99
61) Styrene	13.55	104	2245234	10.294	ppbv	99
62) Isopropylbenzene	14.69	105	5142336	8.808	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2650646	8.015	ppbv	100
64) n-propylbenzene	15.59	120	1333193	9.340	ppbv	99
65) tert-Butylbenzene	16.77	119	4357171	8.607	ppbv	99
66) Benzyl Chloride	17.01	91	598618m	10.698	ppbv	
67) sec-Butylbenzene	17.32	105	6136612	8.587	ppbv	100
69) p-Isopropyltoluene	17.67	119	5084625	9.112	ppbv	100
70) n-Butylbenzene	18.57	91	5366531	9.275	ppbv	99
71) 2-Chlorotoluene	15.48	91	3919953	8.960	ppbv	100
72) 4-Ethyltoluene	15.86	105	4427736	9.320	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3944724	8.897	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4048244	8.532	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	2239807	8.387	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2159159	8.143	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2110364	8.406	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1859291	8.270	ppbv	99
79) Naphthalene	22.23	128	3378606	12.203	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	504248	9.236	ppbv	95
81) 1,2,4-Trichlorobenzene	21.96	180	1849163	10.817	ppbv	97

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

