

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036726.D
 Acq On : 7 Apr 2021 13:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:15:10 AM

Quant Time: Apr 08 02:52:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 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	5.66	49	1390678	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3538807	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3164527m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2605462	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2074166	9.144	ppbv	98
3) Chlorodifluoromethane	2.99	51	2486479	9.570	ppbv	100
4) Chloromethane	3.14	50	867551	9.453	ppbv	99
5) Vinyl Chloride	3.26	62	838625	8.887	ppbv	98
6) Bromomethane	3.47	94	463021	8.912	ppbv	97
7) Chloroethane	3.56	64	294861	9.093	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2025797	9.358	ppbv	97
9) Propene	3.01	41	809385	9.771	ppbv	99
10) Heptane	8.12	43	2088285	9.896	ppbv	99
11) Trichlorofluoromethane	3.95	101	2049525	8.866	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1358451	9.192	ppbv	100
13) Ethanol	3.61	45	96658m	9.799	ppbv	
14) Bromoethene	3.74	108	593483	9.659	ppbv	96
15) Acetone	3.85	43	1172735	8.568	ppbv	100
16) 1,3-Butadiene	3.33	39	877221	9.206	ppbv	97
17) tert-Butyl alcohol	4.29	59	1242842	10.431	ppbv	100
18) 1,1-Dichloroethene	4.29	96	586010	8.914	ppbv	99
19) Isopropyl Alcohol	3.97	45	721619	9.584	ppbv	99
20) Methylene Chloride	4.34	84	532728	8.313	ppbv	94
21) Allyl Chloride	4.41	41	1038462	9.517	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	587726	9.643	ppbv	92
23) Vinyl Acetate	5.07	43	2356161	10.063	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1551621	9.092	ppbv	99
25) Ethyl Acetate	5.68	43	3189880	9.803	ppbv	100
26) Hexane	5.69	57	1473741	9.759	ppbv	99
27) Carbon Disulfide	4.55	76	1444251	9.708	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1708942	9.596	ppbv	99
29) Chloroform	5.75	83	2355234	9.752	ppbv	99
30) Cyclohexane	7.13	84	1232340	10.062	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1457938	9.982	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2378263	9.771	ppbv	99
34) 2-Butanone	5.24	43	1576615	9.127	ppbv	99
35) Carbon Tetrachloride	7.02	117	2480996	9.128	ppbv	99
36) Benzene	6.89	78	3105474	9.515	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1796923	9.354	ppbv	100
38) Trichloroethene	7.83	130	1143570	9.003	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1217820	9.199	ppbv	98
40) 1,4-Dioxane	7.84	88	300983m	9.768	ppbv	
41) Tetrahydrofuran	6.05	42	732709	9.199	ppbv	94
42) Bromodichloromethane	7.79	83	2510980	9.610	ppbv	99
43) Methyl Methacrylate	8.01	69	1113268	10.158	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5232590	9.109	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1304952	10.428	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1642421	10.267	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1261910	9.410	ppbv	93
48) Dibromochloromethane	10.31	129	2065588	10.105	ppbv	99
49) Bromoform	13.05	173	1697985	10.309	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2439062	9.758	ppbv	99
51) 2-Hexanone	10.14	43	1288290	10.214	ppbv #	100
52) Tetrachloroethene	11.23	164	1058230	8.805	ppbv	98
53) Toluene	9.81	91	3485194	10.027	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1820388	9.613	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1417554	9.904	ppbv	97
57) Chlorobenzene	12.15	112	2595579	9.640	ppbv	98
58) Ethyl Benzene	12.72	91	4683179	10.172	ppbv	99
59) m/p-Xylene	13.01	91	7948454m	19.794	ppbv	
60) o-Xylene	13.70	91	3760175	9.684	ppbv	100
61) Styrene	13.54	104	2209408	11.311	ppbv	99
62) Isopropylbenzene	14.67	105	5093879	9.742	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2738386	9.245	ppbv	99
64) n-propylbenzene	15.57	120	1341117	10.491	ppbv	98
65) tert-Butylbenzene	16.75	119	4422133	9.753	ppbv	100
66) Benzyl Chloride	17.00	91	529449	10.565	ppbv	98
67) sec-Butylbenzene	17.30	105	6227597	9.731	ppbv	100
69) p-Isopropyltoluene	17.66	119	5176103	10.357	ppbv	99
70) n-Butylbenzene	18.56	91	5320007	10.266	ppbv	100
71) 2-Chlorotoluene	15.46	91	3957230	10.100	ppbv	100
72) 4-Ethyltoluene	15.84	105	4445981	10.450	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4059626	10.223	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4167343	9.807	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2415252	10.098	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2327135	9.799	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2347782	10.442	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1715075	8.517	ppbv	99
79) Naphthalene	22.21	128	2780409	11.213	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	557297	11.397	ppbv	94
81) 1,2,4-Trichlorobenzene	21.94	180	1624222	10.609	ppbv	99

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

