

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036677.D
 Acq On : 5 Apr 2021 15:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 4/9/2021 9:47:34 AM

Quant Time: Apr 06 08:14:56 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	5.67	49	1417797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3667628	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3444226m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2751556	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1656090	7.162 ppbv	96
3) Chlorodifluoromethane	2.99	51	2265222	8.551 ppbv	100
4) Chloromethane	3.14	50	770592	8.236 ppbv	96
5) Vinyl Chloride	3.26	62	743832	7.732 ppbv	95
6) Bromomethane	3.48	94	420026	7.930 ppbv	96
7) Chloroethane	3.56	64	259932	7.863 ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	1738157	7.875 ppbv	95
9) Propene	3.01	41	712248	8.434 ppbv	98
10) Heptane	8.14	43	1843644	8.570 ppbv	100
11) Trichlorofluoromethane	3.95	101	1753498	7.441 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1174661	7.796 ppbv	98
13) Ethanol	3.61	45	77199m	7.677 ppbv	
14) Bromoethene	3.75	108	510874	8.156 ppbv	98
15) Acetone	3.86	43	1585331	11.361 ppbv #	87
16) 1,3-Butadiene	3.33	39	838625	8.632 ppbv	92
17) tert-Butyl alcohol	4.30	59	1013493	8.343 ppbv	100
18) 1,1-Dichloroethene	4.29	96	538182	8.030 ppbv	92
19) Isopropyl Alcohol	3.97	45	550853m	7.176 ppbv	
20) Methylene Chloride	4.35	84	486469m	7.446 ppbv	
21) Allyl Chloride	4.42	41	821909	7.389 ppbv	92
22) trans-1,2-Dichloroethene	4.89	96	517510	8.329 ppbv	97
23) Vinyl Acetate	5.08	43	2504197	10.491 ppbv	97
24) 1,1-Dichloroethane	5.02	63	1375622	7.907 ppbv	98
25) Ethyl Acetate	5.69	43	2740961	8.262 ppbv	99
26) Hexane	5.69	57	1380402	8.966 ppbv	94
27) Carbon Disulfide	4.56	76	1229583	8.107 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1455173	8.015 ppbv	100
29) Chloroform	5.76	83	2000069	8.123 ppbv	96
30) Cyclohexane	7.14	84	1117276	8.948 ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1273594	8.553 ppbv	94
32) 1,1,1-Trichloroethane	6.52	97	2039919	8.221 ppbv	99
34) 2-Butanone	5.25	43	1263433	7.057 ppbv	95
35) Carbon Tetrachloride	7.03	117	2128182	7.555 ppbv	98
36) Benzene	6.90	78	2726726	8.061 ppbv	98
37) 1,2-Dichloroethane	6.31	62	1498473	7.527 ppbv	99
38) Trichloroethene	7.84	130	1005060	7.635 ppbv	97
39) 1,2-Dichloropropane	7.63	63	1056063	7.697 ppbv	97
40) 1,4-Dioxane	7.84	88	224627m	7.034 ppbv	
41) Tetrahydrofuran	6.06	42	588489m	7.129 ppbv	
42) Bromodichloromethane	7.81	83	2146771	7.928 ppbv	97
43) Methyl Methacrylate	8.02	69	1019241	8.973 ppbv	98

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 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5102251	8.571	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	925618	7.137	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1189526	7.175	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1089376	7.838	ppbv	97
48) Dibromochloromethane	10.32	129	1781107	8.407	ppbv	100
49) Bromoform	13.06	173	1429237	8.373	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	1962364	7.575	ppbv	99
51) 2-Hexanone	10.15	43	1074695	8.221	ppbv #	99
52) Tetrachloroethene	11.24	164	957375	7.686	ppbv	98
53) Toluene	9.82	91	3079456	8.549	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1585336	8.077	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.14	131	1251568	8.034	ppbv #	53
57) Chlorobenzene	12.16	112	2273765	7.759	ppbv	95
58) Ethyl Benzene	12.73	91	4085756	8.154	ppbv	99
59) m/p-Xylene	13.01	91	6868773m	15.716	ppbv	
60) o-Xylene	13.71	91	3243684	7.676	ppbv	100
61) Styrene	13.55	104	1797569	8.455	ppbv	98
62) Isopropylbenzene	14.68	105	4545133	7.987	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2280289	7.074	ppbv	99
64) n-propylbenzene	15.58	120	1194325	8.584	ppbv	98
65) tert-Butylbenzene	16.76	119	3951894	8.008	ppbv	99
66) Benzyl Chloride	17.01	91	458318	8.403	ppbv	98
67) sec-Butylbenzene	17.31	105	5520450	7.925	ppbv	100
69) p-Isopropyltoluene	17.67	119	4640810	8.532	ppbv	98
70) n-Butylbenzene	18.57	91	4649235	8.243	ppbv	99
71) 2-Chlorotoluene	15.47	91	3479149	8.159	ppbv	100
72) 4-Ethyltoluene	15.85	105	3836721	8.285	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3470462	8.030	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	3623308	7.834	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2081863	7.997	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2011124	7.781	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2017788	8.246	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1600434	7.303	ppbv	99
79) Naphthalene	22.22	128	2293921	8.500	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	382698	7.191	ppbv	96
81) 1,2,4-Trichlorobenzene	21.95	180	1424006	8.546	ppbv	98

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

