

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036699.D
 Acq On : 6 Apr 2021 11:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 5:14:54 PM

Quant Time: Apr 06 12:32:32 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	1282020	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3308642	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3031989m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2532478	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1634945	7.819	ppbv	98
3) Chlorodifluoromethane	2.99	51	2344132	9.786	ppbv	99
4) Chloromethane	3.14	50	794909	9.395	ppbv	90
5) Vinyl Chloride	3.26	62	811695	9.330	ppbv	97
6) Bromomethane	3.47	94	460286	9.610	ppbv	88
7) Chloroethane	3.56	64	286611	9.588	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	1865734	9.349	ppbv	96
9) Propene	3.01	41	774513	10.143	ppbv	99
10) Heptane	8.13	43	2039583	10.485	ppbv	99
11) Trichlorofluoromethane	3.95	101	1932121	9.067	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1264455	9.281	ppbv	97
13) Ethanol	3.60	45	98056	10.783	ppbv	98
14) Bromoethene	3.74	108	551229	9.732	ppbv	100
15) Acetone	3.86	43	964337m	7.643	ppbv	
16) 1,3-Butadiene	3.33	39	971848	11.063	ppbv	90
17) tert-Butyl alcohol	4.29	59	1164602	10.602	ppbv	99
18) 1,1-Dichloroethene	4.29	96	577630	9.531	ppbv	98
19) Isopropyl Alcohol	3.97	45	707120	10.187	ppbv	99
20) Methylene Chloride	4.34	84	500208	8.467	ppbv	92
21) Allyl Chloride	4.41	41	1011505	10.056	ppbv	94
22) trans-1,2-Dichloroethene	4.89	96	565248	10.060	ppbv	90
23) Vinyl Acetate	5.08	43	2248325m	10.417	ppbv	
24) 1,1-Dichloroethane	5.01	63	1531799	9.737	ppbv	98
25) Ethyl Acetate	5.68	43	3135629	10.453	ppbv	99
26) Hexane	5.69	57	1531398	11.000	ppbv	96
27) Carbon Disulfide	4.55	76	1378854	10.054	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1713679	10.438	ppbv	98
29) Chloroform	5.75	83	2196162	9.864	ppbv	100
30) Cyclohexane	7.13	84	1222251	10.826	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1405328	10.437	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2235730	9.964	ppbv	99
34) 2-Butanone	5.25	43	1493166	9.245	ppbv	97
35) Carbon Tetrachloride	7.02	117	2343234	9.221	ppbv	99
36) Benzene	6.90	78	3015039	9.881	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1703269	9.484	ppbv	100
38) Trichloroethene	7.84	130	1092694	9.201	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1161572	9.384	ppbv	98
40) 1,4-Dioxane	7.84	88	260761	9.051	ppbv	# 1
41) Tetrahydrofuran	6.05	42	743153	9.980	ppbv	97
42) Bromodichloromethane	7.79	83	2356387	9.646	ppbv	100
43) Methyl Methacrylate	8.02	69	1086797	10.606	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5740691	10.689	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1294558	11.064	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1581656	10.575	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1189249	9.485	ppbv	96
48) Dibromochloromethane	10.31	129	1962717	10.269	ppbv	100
49) Bromoform	13.05	173	1589451	10.321	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2338167	10.005	ppbv	100
51) 2-Hexanone	10.15	43	1240519	10.519	ppbv #	97
52) Tetrachloroethene	11.23	164	1011010	8.998	ppbv	98
53) Toluene	9.81	91	3338456	10.273	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1739663	9.825	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1322842	9.646	ppbv	98
57) Chlorobenzene	12.15	112	2454425	9.514	ppbv	99
58) Ethyl Benzene	12.72	91	4417180	10.014	ppbv	99
59) m/p-Xylene	13.00	91	7445555m	19.352	ppbv	
60) o-Xylene	13.70	91	3505056	9.422	ppbv	99
61) Styrene	13.53	104	2086866	11.150	ppbv	99
62) Isopropylbenzene	14.67	105	4821470	9.624	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2430483	8.565	ppbv	100
64) n-propylbenzene	15.57	120	1236082	10.092	ppbv	99
65) tert-Butylbenzene	16.75	119	4162072	9.581	ppbv	99
66) Benzyl Chloride	17.00	91	590127	12.290	ppbv	98
67) sec-Butylbenzene	17.30	105	5799182	9.457	ppbv	100
69) p-Isopropyltoluene	17.66	119	4820382	10.067	ppbv	99
70) n-Butylbenzene	18.56	91	4867215	9.803	ppbv	99
71) 2-Chlorotoluene	15.46	91	3618433	9.639	ppbv	100
72) 4-Ethyltoluene	15.85	105	4130088	10.132	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3767727	9.903	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	3805090	9.346	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2212165	9.653	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2164075	9.511	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2106444	9.778	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1625380	8.425	ppbv	99
79) Naphthalene	22.21	128	2787715	11.734	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	489255	10.443	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	1580267m	10.773	ppbv	

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

