

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041221\
 Data File : VL036794.D
 Acq On : 12 Apr 2021 21:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 4/13/2021 10:42:42 AM

Quant Time: Apr 12 21:59:26 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	1464335	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3753574	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3134979m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2269699	9.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1930492	8.083	ppbv	97
3) Chlorodifluoromethane	2.99	51	2467589	9.019	ppbv	100
4) Chloromethane	3.14	50	858126	8.880	ppbv	98
5) Vinyl Chloride	3.26	62	824664	8.299	ppbv	98
6) Bromomethane	3.47	94	452795	8.277	ppbv	98
7) Chloroethane	3.56	64	297719	8.720	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	1957781	8.589	ppbv	100
9) Propene	3.01	41	730519	8.376	ppbv	100
10) Heptane	8.13	43	1896274	8.534	ppbv	98
11) Trichlorofluoromethane	3.95	101	1999178	8.214	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1292825	8.308	ppbv	99
13) Ethanol	3.61	45	88866	8.556	ppbv	98
14) Bromoethene	3.74	108	562318	8.692	ppbv	98
15) Acetone	3.85	43	1150630	7.984	ppbv	99
16) 1,3-Butadiene	3.33	39	884340	8.813	ppbv	96
17) tert-Butyl alcohol	4.29	59	1231856	9.818	ppbv	98
18) 1,1-Dichloroethene	4.29	96	554553	8.011	ppbv	95
19) Isopropyl Alcohol	3.97	45	741004	9.346	ppbv	# 97
20) Methylene Chloride	4.35	84	485177	7.190	ppbv	98
21) Allyl Chloride	4.41	41	910211	7.922	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	566311	8.824	ppbv	99
23) Vinyl Acetate	5.08	43	2085408	8.459	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1561850	8.692	ppbv	99
25) Ethyl Acetate	5.68	43	2841150	8.292	ppbv	99
26) Hexane	5.69	57	1362443	8.568	ppbv	98
27) Carbon Disulfide	4.55	76	1429197	9.124	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1583471	8.444	ppbv	99
29) Chloroform	5.76	83	2189911	8.612	ppbv	98
30) Cyclohexane	7.13	84	1170819	9.079	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1323180	8.603	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2216408	8.648	ppbv	99
34) 2-Butanone	5.25	43	1357019	7.406	ppbv	99
35) Carbon Tetrachloride	7.02	117	2311656	8.018	ppbv	97
36) Benzene	6.90	78	2884512	8.332	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1641028	8.054	ppbv	100
38) Trichloroethene	7.84	130	1055478	7.834	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1128438	8.036	ppbv	95
40) 1,4-Dioxane	7.84	88	251405	7.692	ppbv	# 1
41) Tetrahydrofuran	6.06	42	603833	7.148	ppbv	95
42) Bromodichloromethane	7.80	83	2355651	8.500	ppbv	99
43) Methyl Methacrylate	8.02	69	1074206	9.241	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	4883400	8.015	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	838129	6.314	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1115992	6.577	ppbv	94
47) 1,1,2-Trichloroethane	9.48	97	1176858	8.274	ppbv	96
48) Dibromochloromethane	10.31	129	1918102	8.846	ppbv	100
49) Bromoform	13.05	173	1595201	9.131	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2028154	7.650	ppbv	100
51) 2-Hexanone	10.15	43	1033913	7.728	ppbv #	98
52) Tetrachloroethene	11.24	164	986877	7.742	ppbv	99
53) Toluene	9.82	91	3199702	8.679	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1691184	8.419	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1354693	9.554	ppbv	98
57) Chlorobenzene	12.16	112	2425988	9.095	ppbv	97
58) Ethyl Benzene	12.72	91	4347713	9.533	ppbv	98
59) m/p-Xylene	13.01	91	7370827m	18.528	ppbv	
60) o-Xylene	13.70	91	3468940	9.018	ppbv	100
61) Styrene	13.54	104	1864744	9.636	ppbv	99
62) Isopropylbenzene	14.68	105	4795178	9.257	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2573778	8.772	ppbv	99
64) n-propylbenzene	15.57	120	1252793	9.892	ppbv	96
65) tert-Butylbenzene	16.76	119	4179129	9.304	ppbv	100
66) Benzyl Chloride	17.00	91	295014m	5.942	ppbv	
67) sec-Butylbenzene	17.31	105	5922578	9.341	ppbv	100
69) p-Isopropyltoluene	17.67	119	4864589	9.825	ppbv	99
70) n-Butylbenzene	18.56	91	5021812	9.782	ppbv	99
71) 2-Chlorotoluene	15.46	91	3717001	9.576	ppbv	99
72) 4-Ethyltoluene	15.85	105	4096349	9.719	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3643014	9.261	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	3846060m	9.136	ppbv	
75) 1,3-Dichlorobenzene	17.01	146	2259461	9.535	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2175227	9.246	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2199771	9.876	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1716987	8.607	ppbv	99
79) Naphthalene	22.21	128	2625043	10.686	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	575599	11.882	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	1569846	10.350	ppbv	100

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

