

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\
 Data File : VL036840.D
 Acq On : 21 Apr 2021 2:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Apr 21 07:44:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 04/21/2021
 Supervised By : Mahesh Dadoda 04/21/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1198119	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3136894	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	2882374	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2271333	9.89	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1785143	9.135	ppbv 98
3) Chlorodifluoromethane	2.99	51	2324923	10.386	ppbv 100
4) Chloromethane	3.14	50	729681	9.228	ppbv 100
5) Vinyl Chloride	3.26	62	719317	8.848	ppbv 99
6) Bromomethane	3.48	94	376866	8.419	ppbv 92
7) Chloroethane	3.56	64	270947	9.699	ppbv 93
8) Dichlorotetrafluoroethane	3.19	85	1760319	9.438	ppbv 98
9) Propene	3.02	41	725876	10.172	ppbv 98
10) Heptane	8.14	43	1894267	10.420	ppbv 100
11) Trichlorofluoromethane	3.96	101	1748205	8.778	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1163693	9.139	ppbv 99
13) Ethanol	3.62	45	63479	7.470	ppbv 96
14) Bromoethene	3.75	108	490193	9.260	ppbv 99
15) Acetone	3.86	43	926804	7.859	ppbv 97
16) 1,3-Butadiene	3.33	39	804839	9.803	ppbv 97
17) tert-Butyl alcohol	4.30	59	1085917	10.578	ppbv 100
18) 1,1-Dichloroethene	4.30	96	516019	9.111	ppbv 91
19) Isopropyl Alcohol	3.98	45	622456	9.596	ppbv 99
20) Methylene Chloride	4.35	84	430489	7.797	ppbv 91
21) Allyl Chloride	4.42	41	844543	8.984	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	527792	10.052	ppbv 97
23) Vinyl Acetate	5.09	43	1981602	9.824	ppbv # 97
24) 1,1-Dichloroethane	5.02	63	1149522	7.818	ppbv 99
25) Ethyl Acetate	5.69	43	2820947	10.062	ppbv 99
26) Hexane	5.70	57	1346828	10.352	ppbv 97
27) Carbon Disulfide	4.56	76	1242989	9.698	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1279706	8.341	ppbv 98
29) Chloroform	5.76	83	2084645	10.019	ppbv 98
30) Cyclohexane	7.14	84	1115722	10.574	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1317210	10.468	ppbv 99
32) 1,1,1-Trichloroethane	6.53	97	2114684	10.085	ppbv 100
34) 2-Butanone	5.26	43	1299335	8.486	ppbv 99
35) Carbon Tetrachloride	7.03	117	2204824	9.151	ppbv 98
36) Benzene	6.91	78	2821214	9.752	ppbv 98
37) 1,2-Dichloroethane	6.32	62	1574938	9.249	ppbv 99
38) Trichloroethene	7.85	130	1017639	9.039	ppbv 97
39) 1,2-Dichloropropane	7.63	63	1092959	9.313	ppbv 100
40) 1,4-Dioxane	7.85	88	276579m	10.126	ppbv
41) Tetrahydrofuran	6.07	42	617251	8.743	ppbv 97
42) Bromodichloromethane	7.81	83	2232828	9.640	ppbv 99
43) Methyl Methacrylate	8.03	69	1055631	10.866	ppbv 99

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44) 2,2,4-Trimethylpentane	7.88	57	4763811	9.356	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	925360	8.342	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1199364	8.458	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1134772	9.546	ppbv	96
48) Dibromochloromethane	10.32	129	1880830	10.380	ppbv	99
49) Bromoform	13.06	173	1549210	10.611	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2014774	9.094	ppbv	100
51) 2-Hexanone	10.16	43	1076296	9.626	ppbv #	100
52) Tetrachloroethene	11.24	164	971542	9.120	ppbv	97
53) Toluene	9.83	91	3158229	10.251	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1625184	9.681	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1304767	10.008	ppbv	98
57) Chlorobenzene	12.17	112	2341485	9.547	ppbv	98
58) Ethyl Benzene	12.73	91	4247909	10.130	ppbv	98
59) m/p-Xylene	13.02	91	7207770m	19.706	ppbv	
60) o-Xylene	13.72	91	3391515	9.590	ppbv	99
61) Styrene	13.55	104	1811741	10.183	ppbv	100
62) Isopropylbenzene	14.69	105	4732762	9.937	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2494906	9.248	ppbv	99
64) n-propylbenzene	15.58	120	1245976	10.701	ppbv	99
65) tert-Butylbenzene	16.77	119	4162055	10.078	ppbv	99
66) Benzyl Chloride	17.01	91	334071	7.319	ppbv	98
67) sec-Butylbenzene	17.32	105	5807689	9.963	ppbv	100
69) p-Isopropyltoluene	17.67	119	4848692	10.651	ppbv	98
70) n-Butylbenzene	18.57	91	4887517	10.355	ppbv	99
71) 2-Chlorotoluene	15.47	91	3648415	10.223	ppbv	99
72) 4-Ethyltoluene	15.86	105	4059249	10.475	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3609946	9.981	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	3775650	9.755	ppbv	94
75) 1,3-Dichlorobenzene	17.02	146	2264516	10.394	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2150402	9.941	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2188749	10.688	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	1685492	9.190	ppbv	98
79) Naphthalene	22.22	128	2436478	10.788	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	331822	7.450	ppbv	93
81) 1,2,4-Trichlorobenzene	21.96	180	1509257	10.823	ppbv	98

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

