

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036957.D
 Acq On : 18 May 2021 7:03
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051821

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:54:27 PM

Quant Time: May 18 12:05:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1331251	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3926343	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3817852m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2897636	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1726548	7.645	ppbv	98
3) Chlorodifluoromethane	2.97	51	2178399	8.932	ppbv	99
4) Chloromethane	3.12	50	776090	9.351	ppbv	100
5) Vinyl Chloride	3.24	62	815975	8.995	ppbv	98
6) Bromomethane	3.46	94	429721	8.990	ppbv	99
7) Chloroethane	3.54	64	285580	9.695	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	1928253	9.094	ppbv	100
9) Propene	2.99	41	801113	9.173	ppbv	100
10) Heptane	8.10	43	1965355	9.030	ppbv	99
11) Trichlorofluoromethane	3.93	101	1949617	9.327	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1398706	9.394	ppbv	99
13) Ethanol	3.60	45	94766m	8.133	ppbv	
14) Bromoethene	3.72	108	609591	9.295	ppbv	99
15) Acetone	3.83	43	1019033	7.473	ppbv	99
16) 1,3-Butadiene	3.31	39	793199	9.363	ppbv	100
17) tert-Butyl alcohol	4.27	59	1219999	9.768	ppbv	100
18) 1,1-Dichloroethene	4.27	96	626066	9.093	ppbv	93
19) Isopropyl Alcohol	3.95	45	658525	8.984	ppbv #	32
20) Methylene Chloride	4.32	84	538213	7.363	ppbv	98
21) Allyl Chloride	4.39	41	970938	9.439	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	612785	9.287	ppbv	98
23) Vinyl Acetate	5.05	43	2049584	9.470	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1407005	9.032	ppbv	100
25) Ethyl Acetate	5.66	43	2907924	8.875	ppbv	100
26) Hexane	5.66	57	1448366	8.653	ppbv	100
27) Carbon Disulfide	4.53	76	1600866	9.489	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1788596	8.914	ppbv	100
29) Chloroform	5.73	83	2163286	9.148	ppbv	100
30) Cyclohexane	7.11	84	1296786	9.117	ppbv	100
31) cis-1,2-Dichloroethene	5.53	61	1435892	9.568	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2230819	8.785	ppbv	99
34) 2-Butanone	5.22	43	1374843	9.616	ppbv	100
35) Carbon Tetrachloride	7.00	117	2283028	8.751	ppbv	99
36) Benzene	6.87	78	3065816	9.065	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1588029	9.471	ppbv	99
38) Trichloroethene	7.81	130	1188960	8.218	ppbv	99
39) 1,2-Dichloropropane	7.59	63	1178136	9.043	ppbv	98
40) 1,4-Dioxane	7.82	88	254510	8.274	ppbv #	100
41) Tetrahydrofuran	6.03	42	751789	9.233	ppbv	100
42) Bromodichloromethane	7.77	83	2355085	9.284	ppbv	99
43) Methyl Methacrylate	7.99	69	1109463	9.518	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5049638	8.703	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	923115	10.366	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1178696	9.840	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	1259938	9.240	ppbv	97
48) Dibromochloromethane	10.28	129	2159832	9.783	ppbv	100
49) Bromoform	13.01	173	1840080	10.092	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2204896	9.346	ppbv	100
51) 2-Hexanone	10.11	43	1186042	9.510	ppbv #	100
52) Tetrachloroethene	11.19	164	1186487	8.822	ppbv	98
53) Toluene	9.78	91	3613575	8.980	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1797537	9.272	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1425394	8.873	ppbv	100
57) Chlorobenzene	12.12	112	2634591	8.900	ppbv	98
58) Ethyl Benzene	12.68	91	4736045	8.789	ppbv	99
59) m/p-Xylene	12.97	91	7741660m	17.381	ppbv	
60) o-Xylene	13.67	91	3696736	8.702	ppbv	100
61) Styrene	13.50	104	2247313	9.390	ppbv	99
62) Isopropylbenzene	14.64	105	5220366	8.551	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2567897	8.094	ppbv	100
64) n-propylbenzene	15.54	120	1435628	9.114	ppbv	99
65) tert-Butylbenzene	16.72	119	4691358	8.516	ppbv	100
66) Benzyl Chloride	16.96	91	271899	8.895	ppbv	99
67) sec-Butylbenzene	17.27	105	6468150	8.607	ppbv	100
69) p-Isopropyltoluene	17.63	119	5660634	8.760	ppbv	100
70) n-Butylbenzene	18.52	91	5544639	9.033	ppbv	100
71) 2-Chlorotoluene	15.43	91	3896264	8.836	ppbv	99
72) 4-Ethyltoluene	15.82	105	4596183	9.116	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4170105	8.808	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4279214	8.741	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	2691283	9.003	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2676465	8.855	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2666074	8.901	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	1970796	8.182	ppbv	99
79) Naphthalene	22.17	128	4196661m	10.925	ppbv	
80) Naphthalene, 2-methyl-	24.95	142	1018991m	12.200	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	2301269	9.828	ppbv	98

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

