

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036848.D
 Acq On : 27 Apr 2021 5:14
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Quant Time: Apr 27 07:55:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 07:21:25 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 04/28/2021
 Supervised By :Mahesh Dadoda 04/29/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1558583	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3998959	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3770817	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3143230	10.51	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2950158	11.641	ppbv	98
3) Chlorodifluoromethane	2.99	51	3820287	13.134	ppbv	99
4) Chloromethane	3.14	50	1322539	13.024	ppbv	95
5) Vinyl Chloride	3.25	62	1292110	12.405	ppbv	96
6) Bromomethane	3.47	94	749233	13.143	ppbv	96
7) Chloroethane	3.56	64	437935	12.278	ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	2978498	12.443	ppbv	100
9) Propene	3.01	41	1275257	13.840	ppbv	99
10) Heptane	8.12	43	3249423	13.839	ppbv	98
11) Trichlorofluoromethane	3.95	101	2999182	11.851	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2075405	12.781	ppbv	99
13) Ethanol	3.61	45	115789	10.857	ppbv	95
14) Bromoethene	3.74	108	888928	13.241	ppbv	97
15) Acetone	3.85	43	1778699	11.834	ppbv	98
16) 1,3-Butadiene	3.32	39	1344648	12.871	ppbv	100
17) tert-Butyl alcohol	4.29	59	1358370	10.323	ppbv	97
18) 1,1-Dichloroethene	4.28	96	886204	12.375	ppbv	94
19) Isopropyl Alcohol	3.97	45	815302	9.951	ppbv #	96
20) Methylene Chloride	4.34	84	774309	11.083	ppbv	95
21) Allyl Chloride	4.41	41	1578430	13.286	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	919159	13.630	ppbv	99
23) Vinyl Acetate	5.07	43	2874676	11.359	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1990953	11.045	ppbv	100
25) Ethyl Acetate	5.67	43	4847229	13.345	ppbv	99
26) Hexane	5.68	57	2225228	13.313	ppbv	98
27) Carbon Disulfide	4.55	76	2362089	14.402	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2022565	10.703	ppbv	99
29) Chloroform	5.75	83	3584819	13.269	ppbv	97
30) Cyclohexane	7.12	84	1967749	14.444	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	2301886	14.287	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	3638625	13.379	ppbv	99
34) 2-Butanone	5.24	43	2495834	13.037	ppbv	99
35) Carbon Tetrachloride	7.01	117	3876713	12.685	ppbv	96
36) Benzene	6.89	78	4829273	13.239	ppbv	97
37) 1,2-Dichloroethane	6.30	62	2785572	13.018	ppbv	100
38) Trichloroethene	7.83	130	1734380	12.126	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1889616	12.825	ppbv	95
40) 1,4-Dioxane	7.83	88	384380	11.070	ppbv #	1
41) Tetrahydrofuran	6.04	42	1197511	13.678	ppbv	100
42) Bromodichloromethane	7.79	83	3930659	13.521	ppbv	97
43) Methyl Methacrylate	8.01	69	1767237	14.538	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	7794091	12.113	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	2145269	15.481	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	2598092	14.698	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1977366	13.150	ppbv	99
48) Dibromochloromethane	10.30	129	3271967	14.353	ppbv	98
49) Bromoform	13.04	173	2679202	14.557	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	3779617	13.672	ppbv	99
51) 2-Hexanone	10.13	43	2090004	15.078	ppbv #	99
52) Tetrachloroethene	11.22	164	1638960	12.153	ppbv	96
53) Toluene	9.80	91	5404861	13.939	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2848490	13.458	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	2163183	12.910	ppbv	88
57) Chlorobenzene	12.14	112	3972714	12.546	ppbv	99
58) Ethyl Benzene	12.71	91	7156414	13.296	ppbv	98
59) m/p-Xylene	13.00	91	11968865m	25.444	ppbv	
60) o-Xylene	13.69	91	5665213	12.450	ppbv	99
61) Styrene	13.53	104	3462611	15.264	ppbv	99
62) Isopropylbenzene	14.66	105	7687218	12.552	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	4150723	11.841	ppbv	100
64) n-propylbenzene	15.56	120	2102916	14.002	ppbv	91
65) tert-Butylbenzene	16.74	119	6787461	12.701	ppbv	100
66) Benzyl Chloride	16.99	91	875959	15.326	ppbv	98
67) sec-Butylbenzene	17.29	105	9431103	12.506	ppbv	99
69) p-Isopropyltoluene	17.65	119	7891868	13.370	ppbv	99
70) n-Butylbenzene	18.55	91	8162113	13.343	ppbv	98
71) 2-Chlorotoluene	15.45	91	6058123	13.183	ppbv	99
72) 4-Ethyltoluene	15.84	105	6743465	13.453	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	6212008	13.283	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	6295266	12.533	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3786494	13.378	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	3713138	13.226	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3647604	13.666	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2807208	11.745	ppbv	100
79) Naphthalene	22.19	128	4861993	16.845	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	532113	10.942	ppbv	100
81) 1,2,4-Trichlorobenzene	21.92	180	2688225	15.027	ppbv	99

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

