

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036843.D
 Acq On : 27 Apr 2021 2:06
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Quant Time: Apr 27 16:53:48 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	1563461	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3985371	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3738847	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2913277	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	441842	1.738	ppbv	98
3) Chlorodifluoromethane	2.99	51	609855	2.090	ppbv	99
4) Chloromethane	3.14	50	196186	1.926	ppbv	96
5) Vinyl Chloride	3.26	62	192267	1.840	ppbv	94
6) Bromomethane	3.47	94	107573	1.881	ppbv	97
7) Chloroethane	3.56	64	63788	1.783	ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	464118	1.933	ppbv	97
9) Propene	3.01	41	185565	2.008	ppbv	94
10) Heptane	8.12	43	478939	2.033	ppbv	99
11) Trichlorofluoromethane	3.95	101	449733	1.771	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	314678	1.932	ppbv	97
13) Ethanol	3.62	45	28284m	2.644	ppbv	
14) Bromoethene	3.74	108	128499	1.908	ppbv	96
15) Acetone	3.85	43	329534	2.186	ppbv #	76
16) 1,3-Butadiene	3.33	39	209546m	2.000	ppbv	
17) tert-Butyl alcohol	4.31	59	233305	1.767	ppbv	96
18) 1,1-Dichloroethene	4.29	96	140908m	1.962	ppbv	
19) Isopropyl Alcohol	3.99	45	152462m	1.855	ppbv	
20) Methylene Chloride	4.34	84	159249	2.272	ppbv	86
21) Allyl Chloride	4.41	41	242085	2.031	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	129450	1.914	ppbv	93
23) Vinyl Acetate	5.07	43	438417	1.727	ppbv #	97
24) 1,1-Dichloroethane	5.01	63	315785m	1.746	ppbv	
25) Ethyl Acetate	5.68	43	798944	2.193	ppbv	98
26) Hexane	5.68	57	384486	2.293	ppbv	96
27) Carbon Disulfide	4.55	76	292991	1.781	ppbv	93
28) Methyl tert-Butyl Ether	5.04	73	331880	1.751	ppbv	99
29) Chloroform	5.75	83	564014	2.081	ppbv	98
30) Cyclohexane	7.12	84	288793	2.113	ppbv	87
31) cis-1,2-Dichloroethene	5.55	61	331101	2.049	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	559779	2.052	ppbv	99
34) 2-Butanone	5.25	43	408787m	2.143	ppbv	
35) Carbon Tetrachloride	7.01	117	568915	1.868	ppbv	98
36) Benzene	6.88	78	722383	1.987	ppbv	99
37) 1,2-Dichloroethane	6.30	62	411707	1.931	ppbv	100
38) Trichloroethene	7.83	130	263921	1.852	ppbv	96
39) 1,2-Dichloropropane	7.61	63	282354	1.923	ppbv	95
40) 1,4-Dioxane	7.85	88	58700	1.696	ppbv #	43
41) Tetrahydrofuran	6.06	42	165296	1.894	ppbv	98
42) Bromodichloromethane	7.78	83	576502	1.990	ppbv	97
43) Methyl Methacrylate	8.01	69	239058	1.973	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	1289700	2.011	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	248018	1.796	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	324409	1.841	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	299999	2.002	ppbv	94
48) Dibromochloromethane	10.30	129	451924	1.989	ppbv	100
49) Bromoform	13.03	173	352865	1.924	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	521783	1.894	ppbv	99
51) 2-Hexanone	10.15	43	251897m	1.824	ppbv	
52) Tetrachloroethene	11.22	164	251379	1.870	ppbv	95
53) Toluene	9.80	91	783260	2.027	ppbv	98
54) 1,2-Dibromoethane	10.60	107	417574	1.980	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	335306	2.018	ppbv #	1
57) Chlorobenzene	12.14	112	631745	2.012	ppbv	97
58) Ethyl Benzene	12.70	91	1061231	1.989	ppbv	93
59) m/p-Xylene	12.99	91	1921048m	4.119	ppbv	
60) o-Xylene	13.69	91	900208	1.995	ppbv	99
61) Styrene	13.53	104	436197	1.939	ppbv	99
62) Isopropylbenzene	14.66	105	1237455	2.038	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	690543	1.987	ppbv	99
64) n-propylbenzene	15.56	120	309804	2.080	ppbv	83
65) tert-Butylbenzene	16.74	119	1140158	2.152	ppbv	98
66) Benzyl Chloride	16.98	91	99286m	1.752	ppbv	
67) sec-Butylbenzene	17.29	105	1592543	2.130	ppbv	98
69) p-Isopropyltoluene	17.65	119	1284147	2.194	ppbv	99
70) n-Butylbenzene	18.55	91	1319031	2.175	ppbv	97
71) 2-Chlorotoluene	15.45	91	924841	2.030	ppbv	99
72) 4-Ethyltoluene	15.83	105	1010352	2.033	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	966771	2.085	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	1066150	2.141	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	580231	2.067	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	540499	1.942	ppbv	95
77) 1,2-Dichlorobenzene	17.82	146	563444	2.129	ppbv	96
78) Hexachloro-1,3-Butadiene	23.37	225	495405	2.090	ppbv	98
79) Naphthalene	22.20	128	584633m	2.043	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	44089m	0.914	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	373753m	2.107	ppbv	

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

