

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035382.D
 Acq On : 12 Aug 2020 12:37
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:43:46 PM

Quant Time: Aug 12 15:31:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 2020
 QLast Update : Wed Aug 12 15:19:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1381721	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3252842	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3292499	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2506832	9.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	327372	1.781	ppbv	97
3) Chlorodifluoromethane	2.98	51	346198	2.195	ppbv	100
4) Chloromethane	3.14	50	185905	2.082	ppbv	97
5) Vinyl Chloride	3.25	62	187133	2.037	ppbv	99
6) Bromomethane	3.47	94	104960	1.865	ppbv	94
7) Chloroethane	3.56	64	66138	1.939	ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	425965	1.961	ppbv	97
9) Propene	3.00	41	176221	3.135	ppbv	100
10) Heptane	8.14	43	466443	3.249	ppbv	98
11) Trichlorofluoromethane	3.95	101	434127	1.823	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	299055	1.757	ppbv	98
13) Ethanol	3.61	45	61883	3.192	ppbv	94
14) Bromoethene	3.74	108	130449	1.912	ppbv	95
15) Acetone	3.85	43	385615	1.965	ppbv	98
16) 1,3-Butadiene	3.32	39	187369	2.481	ppbv	96
17) tert-Butyl alcohol	4.29	59	414726	2.303	ppbv	100
18) 1,1-Dichloroethene	4.29	96	137752	1.885	ppbv	93
19) Isopropyl Alcohol	3.97	45	271797	2.185	ppbv #	84
20) Methylene Chloride	4.34	84	143971	1.799	ppbv	98
21) Allyl Chloride	4.41	41	255017	2.268	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	136360	1.924	ppbv	89
23) Vinyl Acetate	5.08	43	603989	3.210	ppbv	98
24) 1,1-Dichloroethane	5.02	63	393031	2.223	ppbv	99
25) Ethyl Acetate	5.69	43	790302	2.651	ppbv	99
26) Hexane	5.69	57	349417	2.702	ppbv	99
27) Carbon Disulfide	4.55	76	371101	2.052	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	545978	2.904	ppbv	100
29) Chloroform	5.76	83	472606	2.120	ppbv	99
30) Cyclohexane	7.14	84	274616	2.800	ppbv	89
31) cis-1,2-Dichloroethene	5.55	61	341229	2.968	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	495948	2.116	ppbv	98
34) 2-Butanone	5.25	43	512230	3.198	ppbv	100
35) Carbon Tetrachloride	7.02	117	480725	2.148	ppbv	98
36) Benzene	6.90	78	680771	3.099	ppbv	97
37) 1,2-Dichloroethane	6.31	62	373858	2.436	ppbv	99
38) Trichloroethene	7.85	130	251456	2.482	ppbv	96
39) 1,2-Dichloropropane	7.62	63	265799	2.989	ppbv	100
40) 1,4-Dioxane	7.86	88	92339	2.425	ppbv #	57
41) Tetrahydrofuran	6.07	42	300112	3.818	ppbv	98
42) Bromodichloromethane	7.80	83	541667	2.629	ppbv	96
43) Methyl Methacrylate	8.03	69	303676	3.286	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	1203819	3.085	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	345611	3.605	ppbv	94
46) cis-1,3-Dichloropropene	8.71	75	415024	3.585	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	280193m	2.621	ppbv	
48) Dibromochloromethane	10.32	129	444899	2.540	ppbv	99
49) Bromoform	13.06	173	380813	2.386	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	762142	3.117	ppbv	99
51) 2-Hexanone	10.16	43	666090	3.474	ppbv	100
52) Tetrachloroethene	11.24	164	224847	2.582	ppbv	96
53) Toluene	9.82	91	822170	3.441	ppbv	98
54) 1,2-Dibromoethane	10.63	107	436701	2.847	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	349758	2.250	ppbv #	1
57) Chlorobenzene	12.17	112	614098	2.477	ppbv	93
58) Ethyl Benzene	12.74	91	1126882	3.289	ppbv	97
59) m/p-Xylene	13.02	91	1920370m	6.020	ppbv	
60) o-Xylene	13.72	91	916891	2.896	ppbv	99
61) Styrene	13.55	104	675049	3.492	ppbv	100
62) Isopropylbenzene	14.69	105	1388272	2.912	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.70	83	643304	2.382	ppbv	99
64) n-propylbenzene	15.59	120	362639	2.831	ppbv	86
65) tert-Butylbenzene	16.77	119	1234559	2.828	ppbv	99
66) Benzyl Chloride	17.01	91	577992	3.346	ppbv	99
67) sec-Butylbenzene	17.32	105	1811947	2.935	ppbv	97
69) p-Isopropyltoluene	17.68	119	1498562	2.977	ppbv	98
70) n-Butylbenzene	18.57	91	1660998	3.085	ppbv	97
71) 2-Chlorotoluene	15.48	91	1114660	3.192	ppbv	98
72) 4-Ethyltoluene	15.86	105	1118759	3.100	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	1059073	3.058	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	1137627	2.874	ppbv	92
75) 1,3-Dichlorobenzene	17.02	146	609928	2.355	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	621707	2.592	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	613107	2.565	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	521851m	2.567	ppbv	
79) Naphthalene	22.24	128	1437936	4.723	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	700466	10.114	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	680710	3.548	ppbv	98

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

