

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037426.D
 Acq On : 12 Aug 2021 23:23
 Operator : SY/AP
 Sample : M3211-06REDL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1REDL

Manual Integrations
 APPROVED

apatel
 8/13/2021 11:07:13 AM

Quant Time: Aug 13 05:34:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1269228	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3848257	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3390322	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2544840	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	3356	0.017 ppbv	95
3) Chlorodifluoromethane	3.05	51	1090	0.004 ppbv	99
4) Chloromethane	3.14	50	1866	0.021 ppbv #	88
5) Vinyl Chloride	3.12	62	49	0.000 ppbv #	43
6) Bromomethane	3.48	94	32	0.001 ppbv #	4
7) Chloroethane	3.67	64	91	0.003 ppbv #	40
8) Dichlorotetrafluoroethane	3.19	85	344	0.002 ppbv	88
9) Propene	3.02	41	97477m	1.165 ppbv	
10) Heptane	8.12	43	4271	0.021 ppbv #	1
11) Trichlorofluoromethane	3.95	101	261937	1.248 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	303	0.002 ppbv #	1
13) Ethanol	3.61	45	501005m	56.091 ppbv	
14) Bromoethene	3.80	108	97	0.001 ppbv #	1
15) Acetone	3.85	43	1773285	13.174 ppbv	98
16) 1,3-Butadiene	3.30	39	1867	0.021 ppbv #	16
17) tert-Butyl alcohol	4.29	59	358	0.003 ppbv #	72
18) 1,1-Dichloroethene	4.29	96	157	0.002 ppbv #	11
19) Isopropyl Alcohol	3.98	45	93598m	1.195 ppbv	
20) Methylene Chloride	4.35	84	94818	1.332 ppbv	98
21) Allyl Chloride	4.40	41	462	0.004 ppbv #	1
22) trans-1,2-Dichloroethene	4.89	96	251	0.004 ppbv #	1
24) 1,1-Dichloroethane	5.01	63	41	0.000 ppbv #	89
26) Hexane	5.68	57	72321	0.437 ppbv #	53
27) Carbon Disulfide	4.54	76	420	0.003 ppbv #	14
28) Methyl tert-Butyl Ether	5.11	73	81	0.000 ppbv #	52
29) Chloroform	5.75	83	33339m	0.143 ppbv	
30) Cyclohexane	7.13	84	1244	0.009 ppbv #	1
31) cis-1,2-Dichloroethene	5.67	61	454	0.003 ppbv #	26
32) 1,1,1-Trichloroethane	6.43	97	79	0.000 ppbv #	1
34) 2-Butanone	5.25	43	113306m	0.713 ppbv	
35) Carbon Tetrachloride	7.02	117	421	0.002 ppbv #	20
37) 1,2-Dichloroethane	6.29	62	235	0.001 ppbv #	80
38) Trichloroethene	7.83	130	178	0.001 ppbv #	2
40) 1,4-Dioxane	7.83	88	465	0.015 ppbv #	100
41) Tetrahydrofuran	6.06	42	1382	0.019 ppbv #	40
42) Bromodichloromethane	7.79	83	1065	0.005 ppbv #	26
43) Methyl Methacrylate	8.01	69	807	0.007 ppbv #	1
45) t-1,3-Dichloropropene	9.38	75	95	0.001 ppbv #	1
46) cis-1,3-Dichloropropene	8.75	75	114	0.001 ppbv #	27
47) 1,1,2-Trichloroethane	9.48	97	151	0.001 ppbv #	14
48) Dibromochloromethane	10.09	129	170	0.001 ppbv	60

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49) Bromoform	12.95	173	81	0.001	ppbv #	1
50) 4-Methyl-2-Pentanone	8.74	43	113	0.001	ppbv #	38
51) 2-Hexanone	10.13	43	768	0.008	ppbv #	28
52) Tetrachloroethene	11.22	164	263	0.002	ppbv #	32
53) Toluene	9.80	91	458693m	1.238	ppbv	
54) 1,2-Dibromoethane	10.62	107	67	0.000	ppbv #	1
56) 1,1,1,2-Tetrachloroethane	12.14	131	68	0.001	ppbv #	6
57) Chlorobenzene	12.14	112	96	0.000	ppbv #	1
58) Ethyl Benzene	12.70	91	6119	0.013	ppbv	92
59) m/p-Xylene	12.96	91	131318m	0.325	ppbv	
60) o-Xylene	13.69	91	7583	0.020	ppbv #	1
61) Styrene	13.52	104	1971	0.010	ppbv #	1
62) Isopropylbenzene	14.67	105	2061	0.004	ppbv #	48
63) 1,1,2,2-Tetrachloroethane	13.67	83	274	0.001	ppbv #	24
64) n-propylbenzene	15.84	120	760	0.006	ppbv	96
65) tert-Butylbenzene	16.73	119	765	0.002	ppbv #	20
66) Benzyl Chloride	16.98	91	235	0.011	ppbv #	65
67) sec-Butylbenzene	17.28	105	239	0.000	ppbv #	58
69) p-Isopropyltoluene	17.65	119	2354	0.004	ppbv #	3
70) n-Butylbenzene	18.54	91	508	0.001	ppbv #	32
71) 2-Chlorotoluene	15.78	91	806	0.002	ppbv	65
72) 4-Ethyltoluene	15.83	105	1723	0.004	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.98	105	7109	0.017	ppbv #	76
74) 1,2,4-Trimethylbenzene	16.75	105	41905m	0.099	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	348969	1.364	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	1000	0.004	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.36	225	75	0.000	ppbv #	18
79) Naphthalene	22.19	128	1524	0.007	ppbv #	39
80) Naphthalene, 2-methyl-	24.92	142	160	0.003	ppbv #	11
81) 1,2,4-Trichlorobenzene	21.93	180	391	0.003	ppbv	95

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

