

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037435.D
 Acq On : 13 Aug 2021 5:35
 Operator : SY/AP
 Sample : M3211-04REDL 14.8X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-4REDL

Manual Integrations
 APPROVED

apatel
 8/13/2021 3:03:26 PM

Quant Time: Aug 13 12:18:18 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	1225974	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3707608	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3054184	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2196596	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	3949	0.021 ppbv	# 81
4) Chloromethane	3.14	50	2014	0.023 ppbv	# 51
5) Vinyl Chloride	3.26	62	234	0.002 ppbv	# 43
6) Bromomethane	3.34	94	123	0.002 ppbv	# 4
7) Chloroethane	3.57	64	66	0.002 ppbv	# 40
8) Dichlorotetrafluoroethane	3.20	85	369	0.002 ppbv	# 89
9) Propene	3.02	41	35466	0.439 ppbv	# 85
10) Heptane	8.12	43	1486	0.008 ppbv	# 27
11) Trichlorofluoromethane	3.95	101	108977	0.538 ppbv	# 92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	216	0.002 ppbv	# 1
13) Ethanol	3.62	45	31296m	3.627 ppbv	#
14) Bromoethene	3.74	108	117	0.002 ppbv	# 1
15) Acetone	3.85	43	345215	2.655 ppbv	# 73
17) tert-Butyl alcohol	4.31	59	123	0.001 ppbv	# 72
18) 1,1-Dichloroethene	4.27	96	107	0.002 ppbv	# 1
19) Isopropyl Alcohol	3.96	45	509	0.007 ppbv	# 92
20) Methylene Chloride	4.34	84	224047	3.259 ppbv	# 92
21) Allyl Chloride	4.40	41	900	0.009 ppbv	# 20
22) trans-1,2-Dichloroethene	4.65	96	107	0.002 ppbv	# 1
24) 1,1-Dichloroethane	5.01	63	108	0.001 ppbv	# 89
26) Hexane	5.68	57	179824	1.125 ppbv	# 46
27) Carbon Disulfide	4.55	76	763	0.006 ppbv	# 64
28) Methyl tert-Butyl Ether	5.03	73	195	0.001 ppbv	# 52
29) Chloroform	5.75	83	19308m	0.086 ppbv	#
30) Cyclohexane	7.12	84	478	0.004 ppbv	# 1
31) cis-1,2-Dichloroethene	5.54	61	32	0.000 ppbv	# 22
32) 1,1,1-Trichloroethane	6.51	97	234	0.001 ppbv	# 1
34) 2-Butanone	5.25	43	357594	2.336 ppbv	# 93
35) Carbon Tetrachloride	7.01	117	10643m	0.047 ppbv	#
36) Benzene	6.89	78	1578	0.005 ppbv	# 71
37) 1,2-Dichloroethane	6.30	62	470	0.003 ppbv	# 80
38) Trichloroethene	7.82	130	6794m	0.049 ppbv	#
40) 1,4-Dioxane	7.83	88	205	0.007 ppbv	# 100
41) Tetrahydrofuran	6.06	42	242457	3.449 ppbv	# 98
42) Bromodichloromethane	7.79	83	380	0.002 ppbv	# 26
43) Methyl Methacrylate	8.00	69	137	0.001 ppbv	# 1
44) 2,2,4-Trimethylpentane	7.86	57	2571	0.005 ppbv	# 21
45) t-1,3-Dichloropropene	9.36	75	71	0.001 ppbv	# 44
46) cis-1,3-Dichloropropene	8.71	75	117	0.001 ppbv	# 1
47) 1,1,2-Trichloroethane	9.37	97	106	0.001 ppbv	# 19
48) Dibromochloromethane	10.41	129	244	0.001 ppbv	# 73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
49) Bromoform	13.31	173	96	0.001	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.74	43	556	0.003	ppbv	#	38
51) 2-Hexanone	10.12	43	501	0.006	ppbv	#	28
52) Tetrachloroethene	11.22	164	439	0.003	ppbv	#	57
53) Toluene	9.79	91	3835	0.011	ppbv	#	20
54) 1,2-Dibromoethane	10.65	107	53	0.000	ppbv	#	1
56) 1,1,1,2-Tetrachloroethane	11.96	131	160	0.001	ppbv	#	1
57) Chlorobenzene	12.14	112	378	0.002	ppbv	#	1
58) Ethyl Benzene	12.73	91	968	0.002	ppbv		93
59) m/p-Xylene	12.99	91	3559	0.010	ppbv	#	31
60) o-Xylene	13.68	91	2315	0.007	ppbv	#	29
61) Styrene	13.52	104	741	0.004	ppbv	#	27
62) Isopropylbenzene	14.67	105	476	0.001	ppbv	#	48
63) 1,1,2,2-Tetrachloroethane	13.65	83	151	0.001	ppbv	#	1
64) n-propylbenzene	15.67	120	136	0.001	ppbv	#	1
65) tert-Butylbenzene	16.73	119	227	0.001	ppbv	#	20
66) Benzyl Chloride	16.98	91	451	0.023	ppbv	#	1
67) sec-Butylbenzene	17.28	105	313	0.001	ppbv	#	58
69) p-Isopropyltoluene	17.64	119	601	0.001	ppbv	#	48
70) n-Butylbenzene	18.54	91	401	0.001	ppbv	#	32
71) 2-Chlorotoluene	15.75	91	73	0.000	ppbv		87
72) 4-Ethyltoluene	15.83	105	1508	0.004	ppbv	#	69
73) 1,3,5-Trimethylbenzene	15.98	105	301	0.001	ppbv	#	30
74) 1,2,4-Trimethylbenzene	16.76	105	1806	0.005	ppbv	#	49
75) 1,3-Dichlorobenzene	16.99	146	1567	0.007	ppbv	#	1
76) 1,4-Dichlorobenzene	17.13	146	873	0.004	ppbv	#	1
77) 1,2-Dichlorobenzene	17.80	146	146	0.001	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.43	225	73	0.000	ppbv	#	1
79) Naphthalene	22.18	128	422	0.002	ppbv	#	69
80) Naphthalene,2-methyl-	24.89	142	217	0.005	ppbv		99
81) 1,2,4-Trichlorobenzene	21.92	180	160	0.001	ppbv	#	85

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

