

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037432.D
 Acq On : 13 Aug 2021 3:24
 Operator : SY/AP
 Sample : M3211-03RE 1.2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-3RE

Manual Integrations
 APPROVED

apatel
 8/13/2021 3:03:21 PM

Quant Time: Aug 13 11:15:14 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	1293082	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3779454	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3240175	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2312967	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	32175m	0.163	ppbv
3) Chlorodifluoromethane	2.99	51	58334	0.230	ppbv # 89
4) Chloromethane	3.14	50	27214m	0.298	ppbv
5) Vinyl Chloride	3.25	62	2667	0.027	ppbv # 59
6) Bromomethane	3.47	94	1227	0.024	ppbv 81
7) Chloroethane	3.56	64	977	0.029	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	3827	0.017	ppbv # 58
9) Propene	3.02	41	1250316m	14.663	ppbv
10) Heptane	8.12	43	692415	3.339	ppbv 100
11) Trichlorofluoromethane	3.95	101	51163	0.239	ppbv 90
13) Ethanol	3.62	45	853727	93.817	ppbv 85
14) Bromoethene	3.74	108	701	0.011	ppbv # 1
15) Acetone	3.84	43	8633167m	62.955	ppbv
17) tert-Butyl alcohol	4.30	59	154319m	1.179	ppbv
18) 1,1-Dichloroethene	4.29	96	649	0.009	ppbv # 1
19) Isopropyl Alcohol	3.98	45	843294	10.566	ppbv # 92
20) Methylene Chloride	4.34	84	4063201	56.035	ppbv 97
22) trans-1,2-Dichloroethene	4.87	96	470	0.007	ppbv 95
24) 1,1-Dichloroethane	5.02	63	4500	0.028	ppbv # 85
26) Hexane	5.69	57	5195222	30.803	ppbv # 47
27) Carbon Disulfide	4.55	76	122067	0.858	ppbv 94
29) Chloroform	5.75	83	73879m	0.311	ppbv
30) Cyclohexane	7.13	84	47755	0.344	ppbv # 80
31) cis-1,2-Dichloroethene	5.55	61	2055	0.014	ppbv # 30
32) 1,1,1-Trichloroethane	6.51	97	11053m	0.046	ppbv
34) 2-Butanone	5.24	43	2636024	16.894	ppbv 99
35) Carbon Tetrachloride	7.02	117	12867m	0.055	ppbv
36) Benzene	6.89	78	151637	0.476	ppbv # 86
37) 1,2-Dichloroethane	6.32	62	4194	0.026	ppbv # 71
38) Trichloroethene	7.84	130	9916m	0.070	ppbv
40) 1,4-Dioxane	7.83	88	37510m	1.270	ppbv
41) Tetrahydrofuran	6.04	42	4308976	60.134	ppbv 94
43) Methyl Methacrylate	8.01	69	937	0.009	ppbv # 1
44) 2,2,4-Trimethylpentane	7.87	57	69644	0.131	ppbv # 1
45) t-1,3-Dichloropropene	9.29	75	189	0.002	ppbv 99
46) cis-1,3-Dichloropropene	8.71	75	1576	0.014	ppbv # 37
47) 1,1,2-Trichloroethane	9.47	97	1081	0.008	ppbv # 23
48) Dibromochloromethane	10.30	129	2739	0.014	ppbv # 53
49) Bromoform	13.04	173	406	0.003	ppbv # 27
50) 4-Methyl-2-Pentanone	8.74	43	168269m	0.857	ppbv
51) 2-Hexanone	10.12	43	341093m	3.693	ppbv

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52) Tetrachloroethene	11.22	164	328466	2.447	ppbv	95
53) Toluene	9.80	91	463446	1.274	ppbv	98
54) 1,2-Dibromoethane	10.61	107	4164	0.023	ppbv #	60
56) 1,1,1,2-Tetrachloroethane	12.12	131	832	0.006	ppbv #	6
57) Chlorobenzene	12.14	112	16435m	0.063	ppbv	
58) Ethyl Benzene	12.71	91	125809m	0.286	ppbv	
59) m/p-Xylene	12.96	91	295307m	0.765	ppbv	
60) o-Xylene	13.68	91	125908m	0.351	ppbv	
61) Styrene	13.53	104	22237m	0.123	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	12350m	0.046	ppbv	
64) n-propylbenzene	15.55	120	11691m	0.091	ppbv	
67) sec-Butylbenzene	17.28	105	15241	0.024	ppbv #	48
70) n-Butylbenzene	18.54	91	41869m	0.087	ppbv	
71) 2-Chlorotoluene	15.50	91	1176	0.003	ppbv	89
72) 4-Ethyltoluene	15.83	105	50546m	0.121	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	59799m	0.152	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	153258	0.380	ppbv #	72
75) 1,3-Dichlorobenzene	16.98	146	64770m	0.263	ppbv	
76) 1,4-Dichlorobenzene	17.14	146	1748	0.007	ppbv #	1
77) 1,2-Dichlorobenzene	17.81	146	1549	0.007	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.36	225	1334	0.007	ppbv #	18
79) Naphthalene	22.18	128	41028m	0.187	ppbv	
80) Naphthalene,2-methyl-	24.96	142	2988m	0.065	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	926	0.006	ppbv #	1

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

