

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037428.D
 Acq On : 13 Aug 2021 00:42
 Operator : SY/AP
 Sample : M3211-01RE
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1RE

Manual Integrations
 APPROVED

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

Quant Time: Aug 13 11:05:35 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	1235686	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3872676	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3255246	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2372416	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	42141m	0.223	ppbv	
3) Chlorodifluoromethane	2.99	51	60518	0.249	ppbv #	90
4) Chloromethane	3.14	50	27798	0.319	ppbv	97
5) Vinyl Chloride	3.26	62	252	0.003	ppbv #	43
6) Bromomethane	3.47	94	217	0.004	ppbv	88
7) Chloroethane	3.55	64	553	0.017	ppbv #	40
8) Dichlorotetrafluoroethane	3.19	85	2398	0.011	ppbv #	41
9) Propene	3.02	41	73007	0.896	ppbv	86
10) Heptane	8.12	43	38327	0.193	ppbv	94
11) Trichlorofluoromethane	3.95	101	51264m	0.251	ppbv	
13) Ethanol	3.61	45	317270m	36.485	ppbv	
14) Bromoethene	3.74	108	129	0.002	ppbv #	5
15) Acetone	3.84	43	3925408	29.954	ppbv	97
17) tert-Butyl alcohol	4.31	59	20429m	0.163	ppbv	
18) 1,1-Dichloroethene	4.29	96	313	0.005	ppbv #	66
19) Isopropyl Alcohol	3.98	45	191942m	2.517	ppbv	
20) Methylene Chloride	4.34	84	4452813	64.260	ppbv	95
21) Allyl Chloride	4.41	41	2672	0.026	ppbv #	20
22) trans-1,2-Dichloroethene	4.88	96	399	0.006	ppbv #	61
24) 1,1-Dichloroethane	5.01	63	1170	0.007	ppbv #	80
26) Hexane	5.68	57	3547147	22.008	ppbv #	47
27) Carbon Disulfide	4.55	76	18858m	0.139	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	571	0.003	ppbv #	52
29) Chloroform	5.75	83	187865	0.828	ppbv	90
30) Cyclohexane	7.12	84	32427m	0.244	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	764	0.005	ppbv #	27
32) 1,1,1-Trichloroethane	6.51	97	287395	1.255	ppbv	97
34) 2-Butanone	5.24	43	1367685	8.554	ppbv	99
35) Carbon Tetrachloride	7.02	117	17361m	0.073	ppbv	
36) Benzene	6.89	78	79677	0.244	ppbv #	86
37) 1,2-Dichloroethane	6.30	62	1267	0.008	ppbv #	80
38) Trichloroethene	7.83	130	355344	2.465	ppbv	97
40) 1,4-Dioxane	7.84	88	212	0.007	ppbv #	100
41) Tetrahydrofuran	6.04	42	2984037	40.641	ppbv	96
42) Bromodichloromethane	7.78	83	17337m	0.074	ppbv	
43) Methyl Methacrylate	8.00	69	806	0.007	ppbv #	1
44) 2,2,4-Trimethylpentane	7.86	57	107014m	0.196	ppbv	
45) t-1,3-Dichloropropene	9.29	75	188	0.002	ppbv #	44
46) cis-1,3-Dichloropropene	8.86	75	139	0.001	ppbv	92
47) 1,1,2-Trichloroethane	9.47	97	336	0.002	ppbv #	19
48) Dibromochloromethane	10.61	129	73	0.000	ppbv	76

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49) Bromoform	13.03	173	309	0.002	ppbv #	1
50) 4-Methyl-2-Pentanone	8.76	43	54327m	0.270	ppbv	
52) Tetrachloroethene	11.21	164	2192328	15.936	ppbv	96
53) Toluene	9.80	91	2537365	6.806	ppbv	99
54) 1,2-Dibromoethane	10.58	107	51	0.000	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	517	0.004	ppbv #	6
57) Chlorobenzene	12.14	112	1828	0.007	ppbv #	94
58) Ethyl Benzene	12.70	91	155505m	0.352	ppbv	
59) m/p-Xylene	12.96	91	439406	1.133	ppbv	89
60) o-Xylene	13.69	91	156410	0.434	ppbv	95
61) Styrene	13.52	104	15375m	0.084	ppbv	
62) Isopropylbenzene	14.65	105	14251	0.028	ppbv #	77
63) 1,1,2,2-Tetrachloroethane	13.66	83	667	0.002	ppbv #	24
64) n-propylbenzene	15.56	120	9245m	0.071	ppbv	
65) tert-Butylbenzene	16.73	119	3510	0.008	ppbv #	20
67) sec-Butylbenzene	17.28	105	1395	0.002	ppbv #	1
69) p-Isopropyltoluene	17.64	119	4120	0.008	ppbv #	1
70) n-Butylbenzene	18.54	91	4467	0.009	ppbv #	1
71) 2-Chlorotoluene	15.71	91	708	0.002	ppbv	85
72) 4-Ethyltoluene	15.83	105	48319m	0.116	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	54778m	0.139	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	165860m	0.410	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	35194m	0.142	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	3128	0.013	ppbv #	1
77) 1,2-Dichlorobenzene	17.80	146	600	0.003	ppbv #	38
78) Hexachloro-1,3-Butadiene	23.35	225	1006	0.005	ppbv #	9
79) Naphthalene	22.18	128	33609m	0.153	ppbv	
80) Naphthalene,2-methyl-	24.96	142	3166m	0.068	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	506	0.003	ppbv #	1

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

