

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037437.D
 Acq On : 13 Aug 2021 6:54
 Operator : SY/AP
 Sample : M3211-05REDL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 SVP-5REDL

Manual Integrations
 APPROVED

apatel
 8/13/2021 11:07:28 AM

Quant Time: Aug 13 08:04:03 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	1221703	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3592739	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3059026	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2143729	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.27	51	390	0.002	ppbv	98
5) Vinyl Chloride	3.17	62	104	0.001	ppbv #	43
6) Bromomethane	3.47	94	254	0.005	ppbv #	4
7) Chloroethane	3.61	64	113	0.004	ppbv #	40
8) Dichlorotetrafluoroethane	2.93	85	250	0.001	ppbv	90
9) Propene	3.02	41	17808m	0.221	ppbv	
10) Heptane	8.11	43	2178	0.011	ppbv #	27
11) Trichlorofluoromethane	3.95	101	3866	0.019	ppbv #	44
12) 1,1,2-Trichlorotrifluoroet	4.48	101	212	0.001	ppbv #	11
13) Ethanol	3.62	45	50113m	5.829	ppbv	
14) Bromoethene	3.74	108	218	0.003	ppbv #	28
15) Acetone	3.85	43	248717	1.920	ppbv #	78
16) 1,3-Butadiene	3.31	39	557	0.006	ppbv #	11
17) tert-Butyl alcohol	4.31	59	580	0.005	ppbv #	72
18) 1,1-Dichloroethene	4.29	96	31	0.000	ppbv #	1
19) Isopropyl Alcohol	3.96	45	574	0.008	ppbv #	92
20) Methylene Chloride	4.34	84	784204	11.447	ppbv	97
21) Allyl Chloride	4.41	41	711	0.007	ppbv #	34
22) trans-1,2-Dichloroethene	4.91	96	153	0.002	ppbv #	1
23) Vinyl Acetate	5.06	43	2975	0.015	ppbv #	59
24) 1,1-Dichloroethane	5.01	63	106	0.001	ppbv #	89
26) Hexane	5.68	57	627033	3.935	ppbv #	48
27) Carbon Disulfide	4.56	76	108	0.001	ppbv #	1
28) Methyl tert-Butyl Ether	5.05	73	122	0.001	ppbv #	52
29) Chloroform	5.67	83	339	0.002	ppbv	94
30) Cyclohexane	7.13	84	722	0.006	ppbv #	1
31) cis-1,2-Dichloroethene	5.52	61	76	0.001	ppbv #	22
32) 1,1,1-Trichloroethane	6.49	97	126	0.001	ppbv #	37
35) Carbon Tetrachloride	7.02	117	352	0.002	ppbv #	57
36) Benzene	6.89	78	2562	0.008	ppbv #	20
37) 1,2-Dichloroethane	6.30	62	97	0.001	ppbv #	80
38) Trichloroethene	7.83	130	145	0.001	ppbv #	19
40) 1,4-Dioxane	7.83	88	126	0.004	ppbv #	100
42) Bromodichloromethane	7.76	83	327	0.002	ppbv #	26
43) Methyl Methacrylate	8.01	69	144	0.001	ppbv #	1
44) 2,2,4-Trimethylpentane	7.86	57	1882	0.004	ppbv #	42
45) t-1,3-Dichloropropene	9.23	75	99	0.001	ppbv #	44
46) cis-1,3-Dichloropropene	8.69	75	43	0.000	ppbv #	27
47) 1,1,2-Trichloroethane	9.53	97	85	0.001	ppbv #	14
48) Dibromochloromethane	10.35	129	147	0.001	ppbv	59
49) Bromoform	13.16	173	102	0.001	ppbv #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

50) 4-Methyl-2-Pentanone	8.73	43	171	0.001	ppbv #	38
51) 2-Hexanone	10.17	43	709	0.008	ppbv #	1
52) Tetrachloroethene	11.26	164	108	0.001	ppbv #	1
54) 1,2-Dibromoethane	10.71	107	166	0.001	ppbv #	1
56) 1,1,1,2-Tetrachloroethane	12.09	131	106	0.001	ppbv #	1
57) Chlorobenzene	12.14	112	170	0.001	ppbv #	27
58) Ethyl Benzene	12.72	91	1203	0.003	ppbv #	98
59) m/p-Xylene	12.98	91	1971	0.005	ppbv #	31
60) o-Xylene	13.69	91	1569	0.005	ppbv #	29
61) Styrene	13.53	104	374	0.002	ppbv #	1
62) Isopropylbenzene	14.67	105	781	0.002	ppbv #	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	107	0.000	ppbv #	24
64) n-propylbenzene	15.77	120	206	0.002	ppbv #	69
65) tert-Butylbenzene	16.74	119	539	0.001	ppbv #	20
66) Benzyl Chloride	16.98	91	169	0.008	ppbv #	1
67) sec-Butylbenzene	17.29	105	267	0.000	ppbv #	58
69) p-Isopropyltoluene	17.65	119	129	0.000	ppbv #	48
70) n-Butylbenzene	18.55	91	126	0.000	ppbv #	32
71) 2-Chlorotoluene	15.28	91	100	0.000	ppbv #	95
72) 4-Ethyltoluene	15.84	105	1630	0.004	ppbv #	83
73) 1,3,5-Trimethylbenzene	15.99	105	753	0.002	ppbv #	95
74) 1,2,4-Trimethylbenzene	16.76	105	2092	0.005	ppbv #	81
75) 1,3-Dichlorobenzene	16.99	146	304	0.001	ppbv #	1
76) 1,4-Dichlorobenzene	17.13	146	311	0.001	ppbv #	73
77) 1,2-Dichlorobenzene	17.82	146	234	0.001	ppbv #	11
78) Hexachloro-1,3-Butadiene	23.77	225	73	0.000	ppbv #	1
79) Naphthalene	22.18	128	229	0.001	ppbv #	69
80) Naphthalene, 2-methyl-	24.90	142	198	0.005	ppbv #	80
81) 1,2,4-Trichlorobenzene	21.93	180	75	0.001	ppbv #	11

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

