

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037429.D
 Acq On : 13 Aug 2021 1:19
 Operator : SY/AP
 Sample : M3211-01REDL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1REDL

Manual Integrations
 APPROVED

apatel
 8/13/2021 3:03:15 PM

Quant Time: Aug 13 12:12:40 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	1270429	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3827466	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3139006	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2230536	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	478	0.002	ppbv	93
4) Chloromethane	3.13	50	595	0.007	ppbv	98
5) Vinyl Chloride	3.05	62	144	0.001	ppbv #	1
6) Bromomethane	3.60	94	136	0.003	ppbv #	4
7) Chloroethane	3.55	64	127	0.004	ppbv #	40
8) Dichlorotetrafluoroethane	3.19	85	316	0.001	ppbv #	13
9) Propene	3.02	41	18268m	0.218	ppbv	
10) Heptane	8.11	43	1818	0.009	ppbv #	27
11) Trichlorofluoromethane	3.93	101	202	0.001	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.28	101	128	0.001	ppbv	91
13) Ethanol	3.62	45	32198m	3.601	ppbv	
14) Bromoethene	3.76	108	91	0.001	ppbv #	1
15) Acetone	3.85	43	378761	2.811	ppbv #	86
16) 1,3-Butadiene	3.31	39	1059	0.012	ppbv #	11
17) tert-Butyl alcohol	4.30	59	126	0.001	ppbv #	72
18) 1,1-Dichloroethene	4.29	96	82	0.001	ppbv #	77
19) Isopropyl Alcohol	3.96	45	552	0.007	ppbv #	92
20) Methylene Chloride	4.34	84	476399	6.687	ppbv	99
21) Allvl Chloride	4.40	41	802	0.008	ppbv #	20
22) trans-1,2-Dichloroethene	4.89	96	91	0.001	ppbv #	1
24) 1,1-Dichloroethane	5.00	63	330	0.002	ppbv #	89
26) Hexane	5.68	57	371639	2.243	ppbv #	47
27) Carbon Disulfide	4.55	76	798	0.006	ppbv #	64
28) Methyl tert-Butyl Ether	5.02	73	63	0.000	ppbv #	52
29) Chloroform	5.78	83	1345	0.006	ppbv	85
30) Cyclohexane	7.13	84	2183	0.016	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	134	0.001	ppbv #	22
32) 1,1,1-Trichloroethane	6.50	97	24009m	0.102	ppbv	
34) 2-Butanone	5.25	43	135909m	0.860	ppbv	
35) Carbon Tetrachloride	7.02	117	398	0.002	ppbv #	81
36) Benzene	6.88	78	5700	0.018	ppbv #	72
37) 1,2-Dichloroethane	6.30	62	328	0.002	ppbv #	80
38) Trichloroethene	7.83	130	31406m	0.220	ppbv	
40) 1,4-Dioxane	7.83	88	265	0.009	ppbv #	100
41) Tetrahydrofuran	6.05	42	267892m	3.692	ppbv	
42) Bromodichloromethane	7.78	83	182	0.001	ppbv #	70
43) Methyl Methacrylate	8.03	69	95	0.001	ppbv #	1
44) 2,2,4-Trimethylpentane	7.86	57	3071	0.006	ppbv #	1
45) t-1,3-Dichloropropene	9.26	75	130	0.002	ppbv #	44
46) cis-1,3-Dichloropropene	8.70	75	91	0.001	ppbv #	27
47) 1,1,2-Trichloroethane	9.48	97	114	0.001	ppbv #	14

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

48) Dibromochloromethane	10.43	129	121	0.001	ppbv	83
49) Bromoform	13.04	173	67	0.000	ppbv #	37
50) 4-Methyl-2-Pentanone	8.74	43	457	0.002	ppbv #	38
51) 2-Hexanone	10.15	43	418	0.004	ppbv #	28
52) Tetrachloroethene	11.22	164	209359m	1.540	ppbv	
53) Toluene	9.80	91	205745	0.558	ppbv	100
54) 1,2-Dibromoethane	10.59	107	91	0.001	ppbv #	1
56) 1,1,1,2-Tetrachloroethane	12.07	131	35	0.000	ppbv #	1
57) Chlorobenzene	12.13	112	189	0.001	ppbv #	1
58) Ethyl Benzene	12.99	91	7831	0.018	ppbv	89
59) m/p-Xylene	12.96	91	34735m	0.093	ppbv	
60) o-Xylene	13.68	91	8383	0.024	ppbv #	29
61) Styrene	13.53	104	325	0.002	ppbv #	1
62) Isopropylbenzene	14.97	105	183	0.000	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.67	83	303	0.001	ppbv #	6
64) n-propylbenzene	15.55	120	267	0.002	ppbv	72
65) tert-Butylbenzene	16.76	119	251	0.001	ppbv #	1
66) Benzyl Chloride	16.98	91	162	0.008	ppbv #	1
67) sec-Butylbenzene	17.27	105	168	0.000	ppbv #	58
69) p-Isopropyltoluene	17.64	119	387	0.001	ppbv #	1
70) n-Butylbenzene	18.54	91	383	0.001	ppbv #	1
71) 2-Chlorotoluene	15.35	91	565	0.002	ppbv	71
72) 4-Ethyltoluene	15.83	105	1650	0.004	ppbv #	16
73) 1,3,5-Trimethylbenzene	15.98	105	1125	0.003	ppbv #	79
74) 1,2,4-Trimethylbenzene	16.75	105	3974	0.010	ppbv #	68
75) 1,3-Dichlorobenzene	16.98	146	875	0.004	ppbv #	23
76) 1,4-Dichlorobenzene	17.13	146	397	0.002	ppbv #	1
77) 1,2-Dichlorobenzene	17.78	146	69	0.000	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.37	225	89	0.000	ppbv	87
79) Naphthalene	22.17	128	327	0.002	ppbv #	69
80) Naphthalene,2-methyl-	24.97	142	98	0.002	ppbv #	11
81) 1,2,4-Trichlorobenzene	21.94	180	204	0.001	ppbv #	60

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

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