

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037433.D
 Acq On : 13 Aug 2021 4:06
 Operator : SY/AP
 Sample : M3211-03REDL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-3REDL

Manual Integrations
 APPROVED

apatel
 8/13/2021 3:03:23 PM

Quant Time: Aug 13 12:17:08 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	1279968	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3802294	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3162475	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2260931	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	470	0.002	ppbv	93
4) Chloromethane	3.14	50	1353	0.015	ppbv #	64
5) Vinyl Chloride	3.25	62	250	0.003	ppbv #	43
6) Bromomethane	3.47	94	379	0.007	ppbv #	40
7) Chloroethane	3.56	64	100	0.003	ppbv #	40
8) Dichlorotetrafluoroethane	3.03	85	319	0.001	ppbv	94
9) Propene	3.02	41	231078m	2.738	ppbv	
10) Heptane	8.12	43	86816m	0.423	ppbv	
11) Trichlorofluoromethane	3.95	101	2154	0.010	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	468	0.003	ppbv #	11
13) Ethanol	3.62	45	104272m	11.576	ppbv	
14) Bromoethene	3.74	108	254	0.004	ppbv #	41
15) Acetone	3.85	43	1249529m	9.205	ppbv	
18) 1,1-Dichloroethene	4.29	96	147	0.002	ppbv #	1
19) Isopropyl Alcohol	3.98	45	96389m	1.220	ppbv	
20) Methylene Chloride	4.34	84	566818	7.897	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	463	0.007	ppbv #	1
24) 1,1-Dichloroethane	5.02	63	497	0.003	ppbv #	89
26) Hexane	5.68	57	739005	4.426	ppbv #	47
27) Carbon Disulfide	4.55	76	11969m	0.085	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	443	0.002	ppbv #	52
29) Chloroform	5.83	83	150	0.001	ppbv	91
30) Cyclohexane	7.13	84	1760	0.013	ppbv #	1
31) cis-1,2-Dichloroethene	5.54	61	640	0.004	ppbv #	22
32) 1,1,1-Trichloroethane	6.51	97	342	0.001	ppbv #	1
34) 2-Butanone	5.25	43	307442	1.958	ppbv #	90
35) Carbon Tetrachloride	7.02	117	419	0.002	ppbv #	45
36) Benzene	6.89	78	7417	0.023	ppbv #	77
37) 1,2-Dichloroethane	6.29	62	365	0.002	ppbv #	80
38) Trichloroethene	7.83	130	455	0.003	ppbv #	2
40) 1,4-Dioxane	7.82	88	133	0.004	ppbv #	100
41) Tetrahydrofuran	6.05	42	535084	7.422	ppbv	98
42) Bromodichloromethane	7.78	83	662	0.003	ppbv #	27
43) Methyl Methacrylate	8.02	69	253	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	3386	0.006	ppbv #	1
45) t-1,3-Dichloropropene	9.29	75	251	0.003	ppbv #	1
46) cis-1,3-Dichloropropene	8.70	75	104	0.001	ppbv #	45
47) 1,1,2-Trichloroethane	9.46	97	579	0.004	ppbv #	14
48) Dibromochloromethane	9.87	129	216	0.001	ppbv	93
49) Bromoform	13.03	173	104	0.001	ppbv #	27
50) 4-Methyl-2-Pentanone	8.77	43	25929m	0.131	ppbv	

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51) 2-Hexanone	10.14	43	1806	0.019	ppbv #	28
52) Tetrachloroethene	11.22	164	37502	0.278	ppbv	95
53) Toluene	9.80	91	51210m	0.140	ppbv	
54) 1,2-Dibromoethane	10.60	107	184	0.001	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	329	0.003	ppbv #	6
57) Chlorobenzene	12.14	112	776	0.003	ppbv #	42
58) Ethyl Benzene	12.99	91	9301	0.022	ppbv	93
61) Styrene	13.51	104	1266	0.007	ppbv #	1
62) Isopropylbenzene	14.66	105	1611	0.003	ppbv #	1
63) 1,1,2,2-Tetrachloroethane	13.67	83	205	0.001	ppbv #	24
64) n-propylbenzene	15.55	120	579	0.005	ppbv #	1
65) tert-Butylbenzene	16.73	119	608	0.001	ppbv #	20
66) Benzyl Chloride	16.97	91	361	0.017	ppbv #	65
67) sec-Butylbenzene	17.28	105	701	0.001	ppbv #	1
69) p-Isopropyltoluene	17.64	119	1808	0.004	ppbv #	1
70) n-Butylbenzene	18.54	91	583	0.001	ppbv #	1
71) 2-Chlorotoluene	15.37	91	267	0.001	ppbv	80
72) 4-Ethyltoluene	15.82	105	2008	0.005	ppbv #	54
73) 1,3,5-Trimethylbenzene	15.99	105	3177	0.008	ppbv #	71
74) 1,2,4-Trimethylbenzene	16.75	105	6461	0.016	ppbv #	43
75) 1,3-Dichlorobenzene	16.98	146	2823	0.012	ppbv #	1
76) 1,4-Dichlorobenzene	17.12	146	497	0.002	ppbv #	22
77) 1,2-Dichlorobenzene	17.80	146	149	0.001	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.37	225	249	0.001	ppbv #	46
79) Naphthalene	22.17	128	634	0.003	ppbv #	69
80) Naphthalene,2-methyl-	24.87	142	211	0.005	ppbv #	18
81) 1,2,4-Trichlorobenzene	21.92	180	309	0.002	ppbv #	1

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

