

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037382.D
 Acq On : 11 Aug 2021 6:59
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081121

Manual Integrations
 APPROVED

apatel
 8/12/2021 10:16:49 AM

Quant Time: Aug 11 09:04:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 11 09:04:06 2021
 QLast Update : Wed Aug 11 09:01:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1314305	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3967499	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3541660m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2761949	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2389587	10.059	ppbv	100
3) Chlorodifluoromethane	2.99	51	2143898	8.773	ppbv	100
4) Chloromethane	3.14	50	764909	8.499	ppbv	100
5) Vinyl Chloride	3.26	62	799099	8.691	ppbv	98
6) Bromomethane	3.47	94	389152	7.721	ppbv	98
7) Chloroethane	3.56	64	277487	8.813	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1891980	9.129	ppbv	99
9) Propene	3.01	41	758676	9.119	ppbv	100
10) Heptane	8.12	43	1890498	9.607	ppbv	99
11) Trichlorofluoromethane	3.95	101	1753183	8.778	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1260119	8.865	ppbv	97
13) Ethanol	3.61	45	82785m	8.243	ppbv	
14) Bromoethene	3.74	108	582552	8.960	ppbv	97
15) Acetone	3.85	43	954357	7.621	ppbv	97
16) 1,3-Butadiene	3.32	39	792591	9.010	ppbv	98
17) tert-Butyl alcohol	4.29	59	1092136	9.749	ppbv	100
18) 1,1-Dichloroethene	4.29	96	573989	8.912	ppbv	95
19) Isopropyl Alcohol	3.97	45	635714	8.818	ppbv #	34
20) Methylene Chloride	4.34	84	532447m	7.830	ppbv	
21) Allyl Chloride	4.41	41	892843	9.090	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	556495	9.143	ppbv	95
23) Vinyl Acetate	5.07	43	1844841	9.167	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1447463	9.144	ppbv	100
25) Ethyl Acetate	5.67	43	2942737	9.179	ppbv	99
26) Hexane	5.68	57	1434778	8.837	ppbv	96
27) Carbon Disulfide	4.55	76	1382789	10.163	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1626951	9.383	ppbv	100
29) Chloroform	5.75	83	2075984	8.917	ppbv	99
30) Cyclohexane	7.13	84	1195686	8.897	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1361038	9.356	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2036463	9.022	ppbv	99
34) 2-Butanone	5.24	43	1273745	8.450	ppbv	100
35) Carbon Tetrachloride	7.02	117	2098159	9.483	ppbv	99
36) Benzene	6.89	78	2953979	9.382	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1462654	9.082	ppbv	98
38) Trichloroethene	7.83	130	1159483	8.649	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1121691	9.745	ppbv	94
40) 1,4-Dioxane	7.83	88	225198	7.343	ppbv #	100
41) Tetrahydrofuran	6.05	42	649821	9.170	ppbv	99
42) Bromodichloromethane	7.79	83	2225487	9.776	ppbv	99
43) Methyl Methacrylate	8.01	69	1057089	9.647	ppbv	100

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

44) 2,2,4-Trimethylpentane	7.86	57	4862925	9.260	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	727518	8.843	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	947024	8.510	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1210471	9.332	ppbv	99
48) Dibromochloromethane	10.30	129	1932300	10.100	ppbv	99
49) Bromoform	13.03	173	1585767	10.549	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	1933412	9.817	ppbv	100
51) 2-Hexanone	10.13	43	915158	10.485	ppbv #	98
52) Tetrachloroethene	11.22	164	1083008	8.439	ppbv	97
53) Toluene	9.80	91	3427876	9.388	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1713547	9.332	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.12	131	1352732	9.881	ppbv	95
57) Chlorobenzene	12.14	112	2515473	9.203	ppbv	99
58) Ethyl Benzene	12.70	91	4509897	9.540	ppbv	100
59) m/p-Xylene	12.99	91	7424668m	18.242	ppbv	
60) o-Xylene	13.69	91	3493689	9.259	ppbv	99
61) Styrene	13.52	104	1984980	10.155	ppbv	99
62) Isopropylbenzene	14.66	105	4918030	9.253	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2423593	8.494	ppbv	99
64) n-propylbenzene	15.55	120	1270582	9.420	ppbv	91
65) tert-Butylbenzene	16.74	119	4210899	8.783	ppbv	100
66) Benzyl Chloride	16.98	91	167824	8.257	ppbv #	90
67) sec-Butylbenzene	17.29	105	5880040	8.922	ppbv	100
69) p-Isopropyltoluene	17.64	119	4872780	9.155	ppbv	100
70) n-Butylbenzene	18.54	91	4726958	9.452	ppbv	100
71) 2-Chlorotoluene	15.45	91	3625690	9.343	ppbv	98
72) 4-Ethyltoluene	15.83	105	4203058	9.524	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3761734	9.190	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	3816067	9.180	ppbv #	91
75) 1,3-Dichlorobenzene	16.99	146	2259368	8.945	ppbv	98
76) 1,4-Dichlorobenzene	17.13	146	2192199	8.839	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	2147729	8.822	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1656758	8.487	ppbv	99
79) Naphthalene	22.18	128	2769728	12.231	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	724016	16.263	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1651809	10.636	ppbv	98

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

