

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035322.D
 Acq On : 3 Aug 2020 17:42
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV080320

Manual Integrations
 APPROVED

apatel
 8/6/2020 2:45:05 PM

Quant Time: Aug 04 06:01:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1590977	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3820828	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3894319	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3104498	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1628038	7.821	ppbv 96
3) Chlorodifluoromethane	2.94	51	1539601	8.420	ppbv 100
4) Chloromethane	3.09	50	892233	8.546	ppbv 99
5) Vinyl Chloride	3.21	62	914556	8.997	ppbv 98
6) Bromomethane	3.43	94	566356	8.470	ppbv 89
7) Chloroethane	3.51	64	345619	8.552	ppbv 94
8) Dichlorotetrafluoroethane	3.14	85	2047868	8.156	ppbv 100
9) Propene	2.96	41	644614	9.757	ppbv 97
10) Heptane	8.12	43	1653280	9.750	ppbv 98
11) Trichlorofluoromethane	3.91	101	2168502	7.976	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1529400	8.070	ppbv 98
13) Ethanol	3.56	45	161898	6.633	ppbv 99
14) Bromoethene	3.70	108	702700	9.004	ppbv 100
15) Acetone	3.81	43	1751024	7.611	ppbv 100
16) 1,3-Butadiene	3.28	39	800809	9.334	ppbv 100
17) tert-Butyl alcohol	4.26	59	1845884	8.809	ppbv 100
18) 1,1-Dichloroethene	4.26	96	719694	8.436	ppbv 94
19) Isopropyl Alcohol	3.93	45	1211851	8.386	ppbv 100
20) Methylene Chloride	4.31	84	640684	6.097	ppbv 94
21) Allyl Chloride	4.38	41	1169765	8.978	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	715092	8.449	ppbv 95
23) Vinyl Acetate	5.05	43	2255820	9.895	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1828857	8.622	ppbv 99
25) Ethyl Acetate	5.66	43	3108459	8.939	ppbv 100
26) Hexane	5.67	57	1373969	8.825	ppbv 99
27) Carbon Disulfide	4.52	76	1892791	9.035	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	2217787	9.479	ppbv 100
29) Chloroform	5.74	83	2217860	8.421	ppbv 100
30) Cyclohexane	7.13	84	1148437	9.833	ppbv 98
31) cis-1,2-Dichloroethene	5.53	61	1393889	9.704	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2207738	8.669	ppbv 99
34) 2-Butanone	5.22	43	1934518	9.617	ppbv 100
35) Carbon Tetrachloride	7.01	117	2264553	9.165	ppbv 99
36) Benzene	6.89	78	2755785	9.837	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1740088	9.170	ppbv 100
38) Trichloroethene	7.84	130	1117705	10.858	ppbv 95
39) 1,2-Dichloropropane	7.62	63	1058279	9.586	ppbv 96
40) 1,4-Dioxane	7.83	88	424602	8.856	ppbv 71
41) Tetrahydrofuran	6.03	42	1049430	10.576	ppbv 99
42) Bromodichloromethane	7.80	83	2364954	9.135	ppbv 98
43) Methyl Methacrylate	8.02	69	1249584	10.677	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4634008	9.657	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1415573	11.331	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1655281	11.067	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1176866	9.185	ppbv	97
48) Dibromochloromethane	10.32	129	2013261	9.657	ppbv	98
49) Bromoform	13.07	173	1798589	9.905	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2811562	9.896	ppbv	99
51) 2-Hexanone	10.14	43	2309307	10.505	ppbv	99
52) Tetrachloroethene	11.25	164	1005397	10.188	ppbv	99
53) Toluene	9.82	91	3186940	10.819	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1807057	9.527	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1531395	8.379	ppbv #	92
57) Chlorobenzene	12.17	112	2501588	8.393	ppbv	97
58) Ethyl Benzene	12.73	91	4308843	10.099	ppbv	98
59) m/p-Xylene	13.02	91	7196893m	18.280	ppbv	
60) o-Xylene	13.72	91	3606333	9.266	ppbv	98
61) Styrene	13.56	104	2542182	10.623	ppbv	99
62) Isopropylbenzene	14.70	105	5310002	9.044	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2629640	8.613	ppbv	100
64) n-propylbenzene	15.59	120	1428347	9.300	ppbv	99
65) tert-Butylbenzene	16.78	119	4807137	9.143	ppbv	100
66) Benzyl Chloride	17.03	91	1935921	9.524	ppbv	99
67) sec-Butylbenzene	17.33	105	6681497	8.988	ppbv	100
69) p-Isopropyltoluene	17.69	119	5553184	9.030	ppbv	100
70) n-Butylbenzene	18.59	91	5820936	8.798	ppbv	100
71) 2-Chlorotoluene	15.49	91	4112939	9.386	ppbv	100
72) 4-Ethyltoluene	15.87	105	4206874	9.580	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	4006876	9.314	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	4219988	8.556	ppbv #	91
75) 1,3-Dichlorobenzene	17.04	146	2434449	7.935	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	2425734	8.353	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	2372426	8.385	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1835975	7.992	ppbv	99
79) Naphthalene	22.26	128	3642424	9.331	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	1290473	11.258	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	2028426	8.541	ppbv	100

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

