

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035806.D
 Acq On : 3 Nov 2020 15:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110320

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:35 PM

Quant Time: Nov 04 05:20:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1339011	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	6052721	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5723541m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	4057778	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2204054	8.743	ppbv 99
3) Chlorodifluoromethane	2.98	51	1420226	8.857	ppbv 98
4) Chloromethane	3.13	50	704185	9.040	ppbv 99
5) Vinyl Chloride	3.25	62	944619	9.513	ppbv 100
6) Bromomethane	3.46	94	788544	9.874	ppbv 99
7) Chloroethane	3.55	64	345007	9.872	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2581569	8.948	ppbv 100
9) Propene	3.00	41	535270	9.120	ppbv 99
10) Heptane	8.12	43	1460213	9.008	ppbv 95
11) Trichlorofluoromethane	3.94	101	2685929	8.485	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2051261	8.703	ppbv 95
13) Ethanol	3.60	45	143845	11.297	ppbv 96
14) Bromoethene	3.73	108	1034385	9.537	ppbv 99
15) Acetone	3.84	43	1193626	8.338	ppbv 97
16) 1,3-Butadiene	3.31	39	554808	9.002	ppbv 94
17) tert-Butyl alcohol	4.29	59	2146178	11.313	ppbv 100
18) 1,1-Dichloroethene	4.28	96	1016767	9.396	ppbv 98
19) Isopropyl Alcohol	3.96	45	1013230	11.518	ppbv # 95
20) Methylene Chloride	4.33	84	832563	8.262	ppbv 98
21) Allyl Chloride	4.40	41	759045	9.805	ppbv 97
22) trans-1,2-Dichloroethene	4.87	96	1012024	9.226	ppbv 96
23) Vinyl Acetate	5.07	43	1795579	8.948	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1759151	9.202	ppbv 99
25) Ethyl Acetate	5.67	43	2469510	8.757	ppbv 98
26) Hexane	5.68	57	1402557	9.018	ppbv 95
27) Carbon Disulfide	4.54	76	2310989	9.917	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2660864	9.527	ppbv 98
29) Chloroform	5.75	83	2798505	9.155	ppbv 100
30) Cyclohexane	7.12	84	1685008	9.947	ppbv 91
31) cis-1,2-Dichloroethene	5.54	61	1513097	9.457	ppbv 93
32) 1,1,1-Trichloroethane	6.50	97	2818973	8.837	ppbv 99
34) 2-Butanone	5.24	43	1585288	8.070	ppbv 93
35) Carbon Tetrachloride	7.01	117	2787147	8.618	ppbv 99
36) Benzene	6.89	78	3906496	8.681	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1747999	8.575	ppbv 97
38) Trichloroethene	7.83	130	1832474	8.337	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1296916	8.561	ppbv 94
40) 1,4-Dioxane	7.83	88	698712	9.731	ppbv 68
41) Tetrahydrofuran	6.04	42	953816	8.547	ppbv 88
42) Bromodichloromethane	7.79	83	3093893	8.995	ppbv 99
43) Methyl Methacrylate	8.01	69	1597121	9.305	ppbv 90

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44) 2,2,4-Trimethylpentane	7.86	57	4792225	8.048	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1881422	10.340	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	2236204	9.705	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	1800572	8.723	ppbv	99
48) Dibromochloromethane	10.30	129	2914767	9.243	ppbv	99
49) Bromoform	13.04	173	2488325	9.351	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2435271	8.107	ppbv	93
51) 2-Hexanone	10.13	43	2067962	8.570	ppbv #	93
52) Tetrachloroethene	11.22	164	1690404	7.929	ppbv	96
53) Toluene	9.80	91	4778221	8.800	ppbv	98
54) 1,2-Dibromoethane	10.61	107	2813708	8.963	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	2236544	8.706	ppbv	98
57) Chlorobenzene	12.15	112	3875380	8.516	ppbv	100
58) Ethyl Benzene	12.71	91	6029734	8.650	ppbv	96
59) m/p-Xylene	13.00	91	9895502m	16.778	ppbv	
60) o-Xylene	13.69	91	4784994	8.340	ppbv	98
61) Styrene	13.53	104	4026741	9.579	ppbv	98
62) Isopropylbenzene	14.67	105	7262534	8.054	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	3374457	7.591	ppbv	100
64) n-propylbenzene	15.56	120	2279086	8.744	ppbv	89
65) tert-Butylbenzene	16.75	119	6512029	7.934	ppbv	97
66) Benzyl Chloride	16.99	91	2854523	10.521	ppbv	96
67) sec-Butylbenzene	17.30	105	8611418	7.785	ppbv	97
69) p-Isopropyltoluene	17.66	119	7400900	8.108	ppbv	98
70) n-Butylbenzene	18.55	91	7148513	8.132	ppbv	97
71) 2-Chlorotoluene	15.46	91	5577155	8.456	ppbv	96
72) 4-Ethyltoluene	15.84	105	5941101	8.538	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	5436932	8.538	ppbv	96
74) 1,2,4-Trimethylbenzene	16.77	105	5457032	7.998	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3604663	8.297	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3619697	8.637	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3567260	8.423	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1626864	8.233	ppbv	100
79) Naphthalene	22.20	128	5202383	10.938	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1560503	20.132	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	2573500	9.684	ppbv	99

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

