

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035742.D
 Acq On : 8 Oct 2020 11:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:15:14 AM

Quant Time: Oct 09 01:29:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1197690	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4691578	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4816309m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3406606	9.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1688914	8.594	ppbv 99
3) Chlorodifluoromethane	2.98	51	1293316	10.037	ppbv 100
4) Chloromethane	3.13	50	684063	9.883	ppbv 100
5) Vinyl Chloride	3.25	62	817520	9.985	ppbv 99
6) Bromomethane	3.47	94	683860	9.881	ppbv 100
7) Chloroethane	3.55	64	306602	10.211	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2229653	9.354	ppbv 99
9) Propene	3.00	41	500289	10.694	ppbv 100
10) Heptane	8.13	43	1412033	10.827	ppbv 100
11) Trichlorofluoromethane	3.95	101	2650871	9.454	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1973195	9.440	ppbv 99
13) Ethanol	3.61	45	111789	9.690	ppbv 98
14) Bromoethene	3.74	108	907609	10.308	ppbv 100
15) Acetone	3.85	43	1117705	8.673	ppbv 99
16) 1,3-Butadiene	3.32	39	507940	10.773	ppbv 100
17) tert-Butyl alcohol	4.29	59	1708342	12.169	ppbv 100
18) 1,1-Dichloroethene	4.29	96	933216	10.197	ppbv 96
19) Isopropyl Alcohol	3.97	45	839705	11.978	ppbv # 96
20) Methylene Chloride	4.34	84	770791	8.142	ppbv 98
21) Allyl Chloride	4.41	41	681059	10.903	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	967927	10.011	ppbv 97
23) Vinyl Acetate	5.08	43	1805750	11.440	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1727282	10.046	ppbv 99
25) Ethyl Acetate	5.68	43	2332244	10.057	ppbv 100
26) Hexane	5.69	57	1304096	10.262	ppbv 99
27) Carbon Disulfide	4.55	76	2082266	10.994	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2360742	11.720	ppbv 100
29) Chloroform	5.76	83	2578848	9.993	ppbv 98
30) Cyclohexane	7.14	84	1426782	11.380	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1406103	11.463	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	2546905	11.196	ppbv 99
34) 2-Butanone	5.25	43	1629919	10.504	ppbv 99
35) Carbon Tetrachloride	7.03	117	2577525	10.537	ppbv 98
36) Benzene	6.90	78	3295137	10.779	ppbv 100
37) 1,2-Dichloroethane	6.31	62	1622639	10.184	ppbv 100
38) Trichloroethene	7.85	130	1604041	10.518	ppbv 100
39) 1,2-Dichloropropane	7.63	63	1136842	10.260	ppbv 99
40) 1,4-Dioxane	7.84	88	561777	11.086	ppbv 91
41) Tetrahydrofuran	6.05	42	918921	11.754	ppbv 99
42) Bromodichloromethane	7.80	83	2714184	10.575	ppbv 99
43) Methyl Methacrylate	8.02	69	1385134	11.393	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4366486	9.954	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1572656	12.812	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1868321	12.348	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1583824	9.979	ppbv	100
48) Dibromochloromethane	10.32	129	2645354	10.952	ppbv	100
49) Bromoform	13.07	173	2348783	11.460	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2352159	10.378	ppbv	99
51) 2-Hexanone	10.15	43	1995784	10.929	ppbv #	100
52) Tetrachloroethene	11.24	164	1519638	10.337	ppbv	99
53) Toluene	9.82	91	4051162	11.238	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2471370	10.399	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2030021	10.052	ppbv	95
57) Chlorobenzene	12.17	112	3365428	9.251	ppbv	99
58) Ethyl Benzene	12.73	91	5242177	10.844	ppbv	100
59) m/p-Xylene	13.02	91	8902872m	21.089	ppbv	
60) o-Xylene	13.72	91	4327208	10.133	ppbv	100
61) Styrene	13.55	104	3431775	11.622	ppbv	99
62) Isopropylbenzene	14.70	105	6515981	9.837	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3132023	8.944	ppbv	100
64) n-propylbenzene	15.59	120	2004373	10.339	ppbv	99
65) tert-Butylbenzene	16.78	119	5966472	9.907	ppbv	99
66) Benzyl Chloride	17.02	91	2219835	12.166	ppbv	99
67) sec-Butylbenzene	17.33	105	7934849	9.541	ppbv	100
69) p-Isopropyltoluene	17.68	119	6712190	9.921	ppbv	99
70) n-Butylbenzene	18.58	91	6638676	9.528	ppbv	99
71) 2-Chlorotoluene	15.48	91	4989660	10.327	ppbv	100
72) 4-Ethyltoluene	15.87	105	5297098	10.471	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4916087	10.283	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	5066816	9.402	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	3380659	9.188	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	3381713	9.616	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	3309333	9.523	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1836364	9.578	ppbv	100
79) Naphthalene	22.24	128	5014494	9.756	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1556882	12.842	ppbv	98
81) 1,2,4-Trichlorobenzene	21.97	180	2642911	9.922	ppbv	99

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

