

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035527.D
 Acq On : 3 Sep 2020 11:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 4:05:39 PM

Quant Time: Sep 04 06:54:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1084545	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4791200	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4961991m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3537316	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1770038	9.418	ppbv 99
3) Chlorodifluoromethane	2.99	51	1231522	10.267	ppbv 99
4) Chloromethane	3.14	50	669121	10.412	ppbv 98
5) Vinyl Chloride	3.26	62	790949	9.983	ppbv 99
6) Bromomethane	3.48	94	698327	10.494	ppbv 98
7) Chloroethane	3.56	64	303019	10.818	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	2267828	9.963	ppbv 98
9) Propene	3.01	41	484669	10.481	ppbv 99
10) Heptane	8.15	43	1300679	10.472	ppbv 100
11) Trichlorofluoromethane	3.96	101	2663804	9.719	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2058282	9.949	ppbv 97
13) Ethanol	3.61	45	116403	10.153	ppbv 98
14) Bromoethene	3.74	108	968923	10.881	ppbv 99
15) Acetone	3.86	43	1055582	8.825	ppbv 100
16) 1,3-Butadiene	3.33	39	477985	10.735	ppbv 99
17) tert-Butyl alcohol	4.30	59	1659909	11.400	ppbv 100
18) 1,1-Dichloroethene	4.30	96	964452	10.587	ppbv 99
19) Isopropyl Alcohol	3.98	45	799783	11.208	ppbv # 98
20) Methylene Chloride	4.35	84	851371	9.556	ppbv 99
21) Allyl Chloride	4.42	41	650866	11.614	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	1010636	10.421	ppbv 97
23) Vinyl Acetate	5.09	43	1677310	10.925	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1652613	10.460	ppbv 100
25) Ethyl Acetate	5.69	43	2158409	10.214	ppbv 100
26) Hexane	5.71	57	1239176	10.350	ppbv 99
27) Carbon Disulfide	4.56	76	2066827	12.029	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	2317339	11.105	ppbv 100
29) Chloroform	5.77	83	2501918	10.256	ppbv 99
30) Cyclohexane	7.15	84	1426924	11.125	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1338672	10.898	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2508368	10.599	ppbv 100
34) 2-Butanone	5.26	43	1480450	10.412	ppbv 99
35) Carbon Tetrachloride	7.04	117	2608408	10.832	ppbv 100
36) Benzene	6.92	78	3268478	10.539	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1532794	10.366	ppbv 99
38) Trichloroethene	7.86	130	1716292	9.527	ppbv 98
39) 1,2-Dichloropropane	7.64	63	1093177	10.434	ppbv 99
40) 1,4-Dioxane	7.85	88	576327	11.012	ppbv 96
41) Tetrahydrofuran	6.07	42	848600	11.255	ppbv 99
42) Bromodichloromethane	7.82	83	2654516	11.102	ppbv 99
43) Methyl Methacrylate	8.04	69	1346572	11.229	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4135014	10.133	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1538154	12.661	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1837153	12.180	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1611399	10.423	ppbv	99
48) Dibromochloromethane	10.34	129	2781626	11.432	ppbv	99
49) Bromoform	13.08	173	2644043	11.991	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2204263	10.706	ppbv	99
51) 2-Hexanone	10.16	43	1895844	11.225	ppbv	99
52) Tetrachloroethene	11.26	164	1738042	9.593	ppbv	99
53) Toluene	9.83	91	4141295	10.618	ppbv	99
54) 1,2-Dibromoethane	10.64	107	2570108	10.521	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2178879	10.792	ppbv	98
57) Chlorobenzene	12.18	112	3553966	9.732	ppbv	100
58) Ethyl Benzene	12.75	91	5372071	10.499	ppbv	100
59) m/p-Xylene	13.03	91	8648644m	20.228	ppbv	
60) o-Xylene	13.73	91	4403006	10.225	ppbv	100
61) Styrene	13.56	104	3669658	11.142	ppbv	100
62) Isopropylbenzene	14.71	105	6788206	9.813	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	3161806	9.470	ppbv	99
64) n-propylbenzene	15.60	120	2185832	10.355	ppbv	99
65) tert-Butylbenzene	16.79	119	6444877	10.023	ppbv	99
66) Benzyl Chloride	17.03	91	2267250	14.187	ppbv	100
67) sec-Butylbenzene	17.34	105	8298582	9.687	ppbv	100
69) p-Isopropyltoluene	17.70	119	7329818	9.754	ppbv	99
70) n-Butylbenzene	18.59	91	7127086	9.846	ppbv	100
71) 2-Chlorotoluene	15.49	91	5171609	10.266	ppbv	100
72) 4-Ethyltoluene	15.88	105	5606729	10.241	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	5234041	10.337	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	5445865	9.794	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	3953380	9.598	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3968940	9.770	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	3907866	9.793	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2490092	9.774	ppbv	100
79) Naphthalene	22.25	128	6640362	10.762	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	2625258	12.466	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	3816174	10.328	ppbv	100

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

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