

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035627.D
 Acq On : 16 Sep 2020 12:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:52:22 PM

Quant Time: Sep 17 07:15:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1236974	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	5126876	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5355020m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3770504	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1969492	9.188	ppbv	100
3) Chlorodifluoromethane	2.97	51	1240003	9.064	ppbv	100
4) Chloromethane	3.13	50	650365	8.873	ppbv	100
5) Vinyl Chloride	3.24	62	786676	8.706	ppbv	99
6) Bromomethane	3.46	94	694710	9.153	ppbv	97
7) Chloroethane	3.55	64	301227	9.429	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2289852	8.820	ppbv	95
9) Propene	3.00	41	470901	8.928	ppbv	100
10) Heptane	8.12	43	1329874	9.388	ppbv	100
11) Trichlorofluoromethane	3.94	101	2692185	8.612	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2059088	8.727	ppbv	93
13) Ethanol	3.59	45	112246	8.584	ppbv	94
14) Bromoethene	3.73	108	947002	9.325	ppbv	99
15) Acetone	3.84	43	1037285	7.603	ppbv	99
16) 1,3-Butadiene	3.31	39	478728	9.426	ppbv	100
17) tert-Butyl alcohol	4.28	59	1601250	9.642	ppbv	100
18) 1,1-Dichloroethene	4.28	96	958768	9.228	ppbv	96
19) Isopropyl Alcohol	3.96	45	770526	9.467	ppbv	100
20) Methylene Chloride	4.33	84	788432	7.759	ppbv	98
21) Allyl Chloride	4.40	41	664734	10.400	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	1014094	9.168	ppbv	93
23) Vinyl Acetate	5.07	43	1692958	9.668	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1672152	9.279	ppbv	99
25) Ethyl Acetate	5.67	43	2183381	9.059	ppbv	100
26) Hexane	5.68	57	1237884	9.065	ppbv	100
27) Carbon Disulfide	4.54	76	2096657	10.699	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2288620	9.616	ppbv	99
29) Chloroform	5.74	83	2550455	9.167	ppbv	99
30) Cyclohexane	7.12	84	1418968	9.700	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1359660	9.705	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	2539068	9.407	ppbv	100
34) 2-Butanone	5.24	43	1521236	9.998	ppbv	100
35) Carbon Tetrachloride	7.01	117	2628271	10.200	ppbv	99
36) Benzene	6.89	78	3257926	9.817	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1578052	9.974	ppbv	99
38) Trichloroethene	7.83	130	1663414	8.629	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1098715	9.800	ppbv	99
40) 1,4-Dioxane	7.83	88	597272	10.665	ppbv	99
41) Tetrahydrofuran	6.04	42	862440	10.689	ppbv	100
42) Bromodichloromethane	7.79	83	2704104	10.569	ppbv	100
43) Methyl Methacrylate	8.01	69	1358853	10.589	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4204033	9.628	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1562389	12.018	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1848666	11.454	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1594466	9.639	ppbv	97
48) Dibromochloromethane	10.30	129	2730688	10.488	ppbv	100
49) Bromoform	13.04	173	2489512	10.551	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2227743	10.111	ppbv	100
51) 2-Hexanone	10.13	43	1855947	10.269	ppbv #	100
52) Tetrachloroethene	11.22	164	1639380	8.456	ppbv	98
53) Toluene	9.80	91	4099576	9.823	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2553246	9.768	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	2123845	9.747	ppbv	96
57) Chlorobenzene	12.15	112	3461988	8.784	ppbv	98
58) Ethyl Benzene	12.71	91	5327805	9.648	ppbv	99
59) m/p-Xylene	13.00	91	9023338m	19.555	ppbv	
60) o-Xylene	13.70	91	4409490	9.488	ppbv	99
61) Styrene	13.53	104	3550035	9.988	ppbv	98
62) Isopropylbenzene	14.67	105	6673016	8.939	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3171877	8.803	ppbv	99
64) n-propylbenzene	15.57	120	2090459	9.176	ppbv	94
65) tert-Butylbenzene	16.75	119	6243250	8.997	ppbv	97
66) Benzyl Chloride	17.00	91	2157172	12.508	ppbv	98
67) sec-Butylbenzene	17.30	105	8188216	8.856	ppbv	98
69) p-Isopropyltoluene	17.66	119	7024880	8.662	ppbv	99
70) n-Butylbenzene	18.56	91	6809450	8.717	ppbv	99
71) 2-Chlorotoluene	15.46	91	5109909	9.399	ppbv	98
72) 4-Ethyltoluene	15.85	105	5465139	9.250	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5082003	9.300	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	5265434	8.774	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	3626694	8.159	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3680440	8.395	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3574741	8.301	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2029279	7.380	ppbv	100
79) Naphthalene	22.21	128	5578976	8.378	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	1637652	7.206	ppbv	100
81) 1,2,4-Trichlorobenzene	21.94	180	3043314	7.632	ppbv	99

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

