

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035421.D
 Acq On : 17 Aug 2020 14:52
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:37 AM

Quant Time: Aug 17 16:30:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 09:05:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1141124	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5162308	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5430807	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3683191	8.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	408959	2.699	ppbv	97
3) Chlorodifluoromethane	2.99	51	308850	2.112	ppbv	95
4) Chloromethane	3.14	50	158278	2.055	ppbv	100
5) Vinyl Chloride	3.26	62	188004	2.402	ppbv	94
6) Bromomethane	3.48	94	165796	3.863	ppbv	97
7) Chloroethane	3.56	64	69099	2.662	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	581578	3.367	ppbv #	57
9) Propene	3.01	41	117835	1.698	ppbv	99
10) Heptane	8.14	43	330403	1.884	ppbv #	80
11) Trichlorofluoromethane	3.96	101	720645	3.962	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	529907	4.475	ppbv #	76
13) Ethanol	3.61	45	50860	2.295	ppbv	98
14) Bromoethene	3.75	108	235919	4.540	ppbv #	94
15) Acetone	3.86	43	289426	1.927	ppbv #	75
16) 1,3-Butadiene	3.33	39	117470	1.708	ppbv #	69
17) tert-Butyl alcohol	4.30	59	359584	2.523	ppbv	98
18) 1,1-Dichloroethene	4.29	96	233959	4.397	ppbv #	59
19) Isopropyl Alcohol	3.98	45	192227	1.815	ppbv #	97
20) Methylene Chloride	4.35	84	229330	4.117	ppbv #	62
21) Allyl Chloride	4.42	41	140608	1.602	ppbv #	81
22) trans-1,2-Dichloroethene	4.90	96	247691	4.673	ppbv #	63
23) Vinyl Acetate	5.08	43	405945	1.844	ppbv #	95
24) 1,1-Dichloroethane	5.02	63	410482	2.616	ppbv #	95
25) Ethyl Acetate	5.69	43	562538	1.871	ppbv #	94
26) Hexane	5.70	57	315442	2.414	ppbv #	76
27) Carbon Disulfide	4.56	76	455800	3.583	ppbv #	87
28) Methyl tert-Butyl Ether	5.05	73	573898	2.846	ppbv #	91
29) Chloroform	5.76	83	622879	3.104	ppbv	100
30) Cyclohexane	7.15	84	350518	3.379	ppbv #	69
31) cis-1,2-Dichloroethene	5.56	61	325665	2.447	ppbv #	64
32) 1,1,1-Trichloroethane	6.53	97	611442	3.056	ppbv #	90
34) 2-Butanone	5.26	43	371856	0.934	ppbv #	73
35) Carbon Tetrachloride	7.04	117	634588	1.655	ppbv	99
36) Benzene	6.91	78	833512	1.591	ppbv #	89
37) 1,2-Dichloroethane	6.32	62	371353	1.149	ppbv #	89
38) Trichloroethene	7.85	130	456624	2.254	ppbv #	83
39) 1,2-Dichloropropane	7.63	63	269854	1.278	ppbv #	82
40) 1,4-Dioxane	7.86	88	143781	1.760	ppbv #	36
41) Tetrahydrofuran	6.07	42	209302	0.935	ppbv #	64
42) Bromodichloromethane	7.81	83	641991	1.554	ppbv #	95
43) Methyl Methacrylate	8.04	69	324161	1.422	ppbv #	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	1114639	1.217	ppbv #	90
45) t-1,3-Dichloropropene	9.30	75	331705	1.385	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	420792	1.451	ppbv #	74
47) 1,1,2-Trichloroethane	9.50	97	407430	1.919	ppbv	90
48) Dibromochloromethane	10.33	129	696541	2.253	ppbv	98
49) Bromoform	13.07	173	677559	2.788	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	550583	0.956	ppbv #	83
51) 2-Hexanone	10.17	43	467293	0.956	ppbv #	80
52) Tetrachloroethene	11.25	164	503039	2.699	ppbv #	81
53) Toluene	9.83	91	1095224	1.836	ppbv	99
54) 1,2-Dibromoethane	10.64	107	659937	2.014	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	564115	2.111	ppbv #	1
57) Chlorobenzene	12.18	112	992011	2.023	ppbv #	80
58) Ethyl Benzene	12.74	91	1471650	1.637	ppbv	93
59) m/p-Xylene	13.00	91	2488645m	3.318	ppbv	
60) o-Xylene	13.72	91	1197100	1.622	ppbv	89
61) Styrene	13.56	104	965632	1.915	ppbv #	87
62) Isopropylbenzene	14.70	105	2005266	1.841	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.71	83	855213	1.493	ppbv	99
64) n-propylbenzene	15.59	120	600592	2.175	ppbv #	64
65) tert-Butylbenzene	16.78	119	1976265	2.117	ppbv #	78
66) Benzyl Chloride	17.02	91	434487	1.422	ppbv #	91
67) sec-Butylbenzene	17.33	105	2648525	1.922	ppbv #	91
69) p-Isopropyltoluene	17.69	119	2371530	2.113	ppbv #	89
70) n-Butylbenzene	18.59	91	2213479	1.687	ppbv #	94
71) 2-Chlorotoluene	15.49	91	1437291	1.613	ppbv	82
72) 4-Ethyltoluene	15.87	105	1612909	1.865	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	1503020	1.841	ppbv	89
74) 1,2,4-Trimethylbenzene	16.80	105	1642991	1.879	ppbv #	90
75) 1,3-Dichlorobenzene	17.03	146	1231830	2.589	ppbv	92
76) 1,4-Dichlorobenzene	17.17	146	1218180	2.496	ppbv	91
77) 1,2-Dichlorobenzene	17.85	146	1210495	2.525	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	984635	2.674	ppbv	99
79) Naphthalene	22.25	128	2396710	2.348	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	952009	2.235	ppbv #	92
81) 1,2,4-Trichlorobenzene	21.98	180	1397156	2.888	ppbv	100

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

