

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035507.D
 Acq On : 27 Aug 2020 3:29
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:27 PM

Quant Time: Aug 27 05:45:53 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 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1088661	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4710627	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4802921	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3442439	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	214089	1.075 ppbv	96
3) Chlorodifluoromethane	2.99	51	125507	1.021 ppbv	99
4) Chloromethane	3.14	50	66393	1.038 ppbv	93
5) Vinyl Chloride	3.26	62	76123	1.012 ppbv	93
6) Bromomethane	3.48	94	67683	0.981 ppbv	89
7) Chloroethane	3.56	64	27938	0.972 ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	250078	1.058 ppbv	99
9) Propene	3.01	41	46996	0.983 ppbv	100
10) Heptane	8.14	43	127265	0.999 ppbv	100
11) Trichlorofluoromethane	3.96	101	291825	1.016 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	216433	1.010 ppbv	100
13) Ethanol	3.62	45	12017	0.896 ppbv	92
14) Bromoethene	3.74	108	90243	0.968 ppbv	100
15) Acetone	3.86	43	126858	1.086 ppbv	93
16) 1,3-Butadiene	3.33	39	44759	0.965 ppbv	97
17) tert-Butyl alcohol	4.31	59	148785	1.001 ppbv	100
18) 1,1-Dichloroethene	4.30	96	92239	0.972 ppbv	97
19) Isopropyl Alcohol	3.98	45	72437	0.960 ppbv	# 93
20) Methylene Chloride	4.35	84	100286	0.806 ppbv	100
21) Allyl Chloride	4.42	41	54045	0.918 ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	97280	0.971 ppbv	95
23) Vinyl Acetate	5.09	43	146141	0.951 ppbv	98
24) 1,1-Dichloroethane	5.02	63	161622	1.002 ppbv	99
25) Ethyl Acetate	5.70	43	221989	1.004 ppbv	98
26) Hexane	5.70	57	124658	0.927 ppbv	98
27) Carbon Disulfide	4.56	76	159210	0.891 ppbv	96
28) Methyl tert-Butyl Ether	5.05	73	209111	0.958 ppbv	100
29) Chloroform	5.76	83	250956	0.984 ppbv	99
30) Cyclohexane	7.15	84	127049	0.941 ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	121347	0.956 ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	229236	0.985 ppbv	99
34) 2-Butanone	5.27	43	143218	1.029 ppbv	99
35) Carbon Tetrachloride	7.03	117	232624	1.015 ppbv	97
36) Benzene	6.91	78	316831	1.022 ppbv	96
37) 1,2-Dichloroethane	6.32	62	149476	1.019 ppbv	100
38) Trichloroethene	7.85	130	166823	0.974 ppbv	97
39) 1,2-Dichloropropane	7.63	63	106585	1.027 ppbv	96
40) 1,4-Dioxane	7.88	88	52799	1.033 ppbv	71
41) Tetrahydrofuran	6.08	42	71333	0.945 ppbv	98
42) Bromodichloromethane	7.81	83	232616	0.971 ppbv	99
43) Methyl Methacrylate	8.04	69	115349	0.961 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	429380	1.058	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	102880	0.838	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	135000	0.887	ppbv	93
47) 1,1,2-Trichloroethane	9.50	97	156716	1.010	ppbv	97
48) Dibromochloromethane	10.33	129	225744	0.917	ppbv	99
49) Bromoform	13.07	173	195765	0.858	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	207713	1.035	ppbv	98
51) 2-Hexanone	10.18	43	160644	0.977	ppbv #	98
52) Tetrachloroethene	11.25	164	176425	0.981	ppbv	99
53) Toluene	9.83	91	395834	1.009	ppbv	97
54) 1,2-Dibromoethane	10.64	107	244245	0.992	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	197898	0.987	ppbv #	1
57) Chlorobenzene	12.17	112	388163	1.087	ppbv	99
58) Ethyl Benzene	12.74	91	527034	1.036	ppbv	91
59) m/p-Xylene	13.02	91	900224m	2.082	ppbv	
60) o-Xylene	13.72	91	451290	1.059	ppbv	97
61) Styrene	13.56	104	324806	0.990	ppbv	98
62) Isopropylbenzene	14.70	105	747774	1.086	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.71	83	322657	1.036	ppbv	99
64) n-propylbenzene	15.60	120	215104	1.026	ppbv	75
65) tert-Butylbenzene	16.78	119	685195	1.048	ppbv	96
66) Benzyl Chloride	17.02	91	116985	0.735	ppbv	95
67) sec-Butylbenzene	17.33	105	934390	1.075	ppbv	93
69) p-Isopropyltoluene	17.69	119	804817	1.062	ppbv	93
70) n-Butylbenzene	18.59	91	774753	1.065	ppbv	93
71) 2-Chlorotoluene	15.48	91	525848	1.055	ppbv	95
72) 4-Ethyltoluene	15.87	105	571669	1.052	ppbv	96
73) 1,3,5-Trimethylbenzene	16.03	105	528595	1.052	ppbv	92
74) 1,2,4-Trimethylbenzene	16.80	105	594915	1.079	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	435373	1.054	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	423670	1.027	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	415482	1.021	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	268063	0.960	ppbv	97
79) Naphthalene	22.25	128	606220	0.884	ppbv #	94
80) Naphthalene, 2-methyl-	25.01	142	168941	0.626	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	371185	0.920	ppbv	98

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

